THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).

Established in ENGLAND, 1859.]

Registered as a Newspaper.
Published Weekly at 42 CANNON STREET, LONDON, E.C.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]

Established in [AUSTRALASIA, 1885.

No. 1,902. Vol. LXXXVIII. JULY 8, 1916.

Subscription Rate, 12s. 6d. per annum. Single Copies, 6d. each. Winter and Summer Issues 1s each. Post Free.

TELEGRAMS: "OPIUM."
TELEPHONES: City 984 & 4038.

The Best House for
OPIUM *and its preparations*
PHARMACEUTICAL PRODUCTS
"SILVER CHURN" Dairy Specialities

OLDFIELD, PATTINSON & CO., MANCHESTER

Effervescent Citrate of Magnesia
(So-called.)

Packed in Blue Flats, shived, capsuled and labelled.

No. 3 Quality.
2 in 4 oz.
3 in 6 oz.
4 in 8 oz.
6 in 12 oz.

Packed in White Glass Kalis, shived, capsuled and labelled.

No. 3 Quality.
3¼ in 6 oz.
4⅜ in 8 oz.
7 in 12 oz.
10¼ in 16 oz.

Packed in Plug-Stoppered Cheltenhams, capsuled and labelled.

No. 3 Quality.
3 in 6 oz.
4 in 8 oz.
6½ in 12 oz.

Samples forwarded on request.

Special quotations to buyers in quantity.

Allen & Hanburys Ltd. London

May, Roberts' Traveller.

No. 4023 CITY. JULY 8, 1916 LONDON & DUBLIN.

UNDESIRABLE ALIENS.

SUCCESSFUL METHOD OF DEALING WITH THE PEST.

One of the most difficult problems associated with the collecting together of masses of men under insanitary conditions is the inevitable plague of body parasites which ensues.

The authorities are doing their utmost to deal with the situation, and material assistance is being rendered by chemical manufacturers and the friends of soldiers themselves.

COPIED FROM THE GERMANS.

It is no good blinking the fact that the Germans, whatever we may think of their moral standards, are extraordinarily successful and thorough in dealing with matters of detail.

When, therefore, the enemy saw fit to publish for the information of their own chemists a table showing the relative value of various vermicides, as proved by their experience in this War, May, Roberts & Co., Ltd., had no hesitation in taking advantage of the knowledge unwittingly proffered them.

"TRENCH POWDER"

is a carefully calculated combination in powder form of these substances which are most potent in dealing with body parasites, not only rendering the body and clothing obnoxious to Lice, &c., but also killing those already established.

It has proved itself.

At **2/3** per doz.
gross lots **24/-** per gross.
Less 5 % Discount.

AN ITALIAN DISCOVERY

Many of the ointments offered for dealing with Lice, etc., possess the very important disadvantage that while they are fatal to the life of the insect itself, the unhatched egg remains unaffected.

The Italian authorities experiencing this defect, obtained the assistance of one of their foremost Scientists, a man of world-wide reputation, to enable them to overcome the difficulty.

He was successful in finding a liquid which dissolves the waxen coating which enshrouds the eggs, and robbed of which they are unable to germinate.

"TRENCH OINTMENT."

The details of this being made known to May, Roberts & Co., Ltd., they have combined with it essential oils obnoxious to all forms of insect life, and amalgamating this with a fatty basis which is not absorbed by the skin but stays on the surface, have produced an ointment which is an

Invariable Success.

At **3/6** per doz.

1 gross lots
39/- per gross.

Less 5 % Discount.

ENEMY ADVANCE FRUSTRATED BY GAS.

ATTEMPTS TO BREAK THROUGH FOILED BY "TRENCHMAN BELT."

7/- per dozen.
5 % Discount

PREVENTION BETTER THAN CURE.

The soldier having rid himself of body parasites, it is important that he should be able to provide himself with a means of preventing their recurrence, May, Roberts & Co., Ltd., claim that they have achieved this means in the

"TRENCHMAN BELT"

which in contact with the heat and moisture of the body evolves a gas which, while obnoxious to all forms of insect life, is not regarded as unpleasant by human beings. It is light in wear, only weighing 2 oz., and not cumbrous, being only 2½ inches wide.

It is perfectly dry and not being sticky does not adhere to or stain the body. It is immediately adjusted and has a very long life as the evolution of gas, while sufficient to be absolutely effective, is slow in comparison with the total amount available. What also is of paramount importance

It is very cheap.

MAY, ROBERTS & CO. LTD.

7, 9 & 11 Clerkenwell Road, LONDON, E.C.

AND AT 16 WESTMORELAND STREET, DUBLIN.

STEVENSON & HOWELL,

LIMITED.

BRITISH MADE
SYNTHETIC PERFUMES.

Specialities :

NEROLI - - - at 4/6 oz.

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"It is, in my opinion, as good a substitute for Natural Otto of Rose as could be manufactured." (Signed) ERNEST J. PARRY, B.Sc., F.I.C., etc.

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"THE CHEMIST & DRUGGIST."

Novelties :

Lily of Valley, N.
Mimosa, N.B.
Narcissus, N.B.
} **5/6 oz.**

Egyptian Bouquet
(Oriental type)
Parisian Bouquet
} **5/6 oz.**

Pharmacists are invited to write for samples and copy of the "DULCIFLOR" brochure.

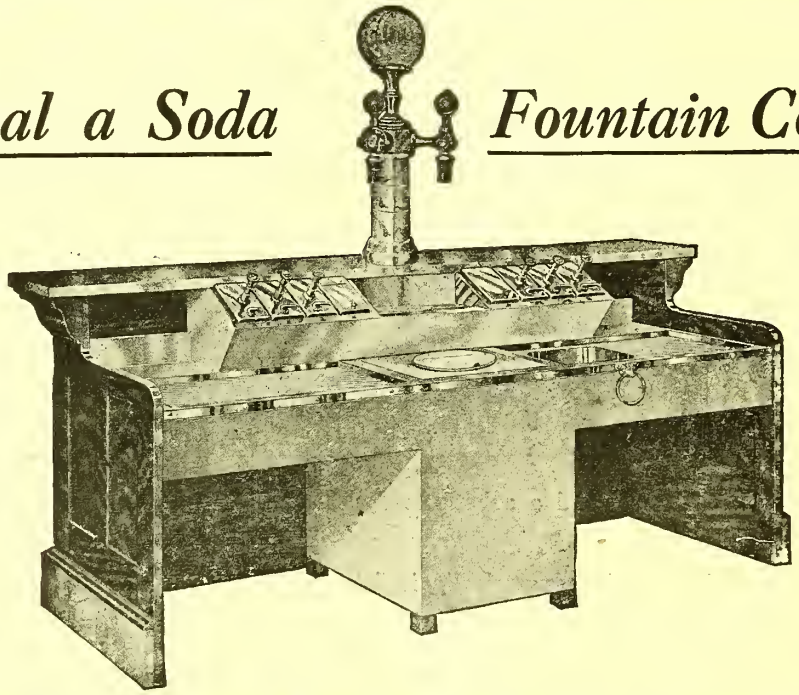
STEVENSON & HOWELL, LTD.,

STANDARD WORKS - - SOUTHWARK, S.E.

Telephone: HOP 4833 (3 lines). Telegrams: "DISTILLER, BOROH, LONDON."

A Money-making Proposition for Enterprising Chemists & Druggists!!

Instal a Soda Fountain Counter



The Soda Fountain is a prominent feature with Druggists' Stores throughout the United States. Why not here? It may be looked upon as an innovation, but is a step in the right direction as a Profit Earner!

It will improve the appearance of your Store and draw new customers if you have the right kind of Fountain, and that is

THE "RED CROSS" SODA FOUNTAIN

(THE STANDARD OF THE WORLD)

MANUFACTURED BY

The BISHOP-BABCOCK-BECKER CO., Cleveland, Ohio, U.S.A.

The range and variety of styles and sizes is practically unlimited, enabling every possible requirement being met.

Sole Agents for the United Kingdom and South Africa:

L. LUMLEY & CO., Ltd., The Minories, LONDON, E.,

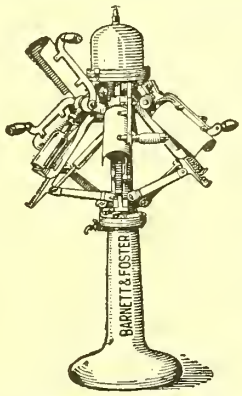
who will be pleased to submit designs and advise those interested.

Crowning Machines

Foot, hand, and power operated crowners for all outputs. With and without Automatic Feed.

Prices from - **£1 : 0 : 0**

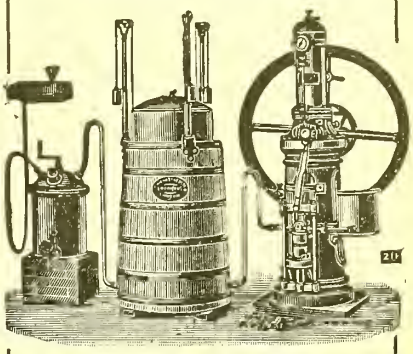
"Roundabout" Fillers



For all bottles. Fill on our back-pressure system and save 50 per cent. in working costs. Nine sizes, hand and power.

Prices from - **£28 : 0 : 0**

"Niagara" Soda-water Machines



Capacities from 100 to 6,000 doz. of 10-oz. bottles per day. Supplied complete with gas-work and automatic saturating cylinder. The best machine for export.

Prices from - - **£30 : 0 : 0**

Everything for Bottling

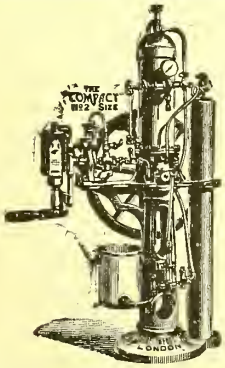
BARNETT & FOSTER,

ENGINEERS,

Dept. N4, Eagle Wharf Road, LONDON, N., ENGLAND.

Latest Lists Post Free Anywhere.

"Compact" Soda-water Machines



For use with liquefied carbonic acid gas. A complete mineral water plant, comprising soda-water machine and one or two fillers on one base. Easy to instal, simple to operate. Outputs up to 1,200 doz. bottles per day.

Prices from - **£33 : 0 : 0**

Syphon Fillers

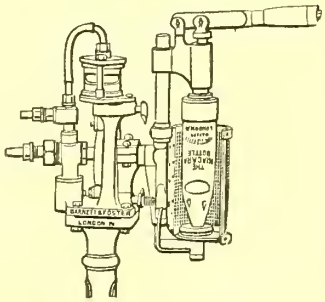
Small and large, hand and power, machines. Can be supplied to fill on our back-pressure system.

Prices from - **£6 : 6 : 0**

Bottles & Syphons

We can always supply codd, crown, cork, swing or screw stoppered bottles in all sizes, also our "London Made" syphons with pure tin tops.

Turnover Fillers



Our famous "Ideal." With this machine a lad can fill and syrup 80 dozen large bottles per hour.

Price

With Syrup Pump **£10:10:0**

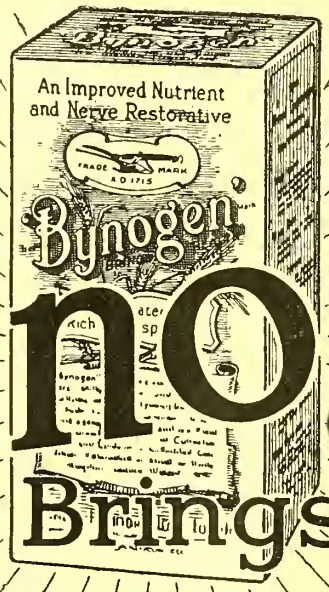
Without „ **£7 : 7 : 0**

No. 163.

The Improved Casein-Glycerophosphate Food

'Bynogen'

Trade Mark



Brings Health

An Easily Digested Nerve Food Rich in Phosphorus

Composition of "Bynogen."

"Bynogen" is a combination of pure Milk Protein, 75 per cent., and specially prepared Dextrin-Maltose, 20 per cent., with 2 per cent. each of the Glycerophosphates of Soda and Lime, and 1 per cent. of Glycerophosphate of Magnesia.

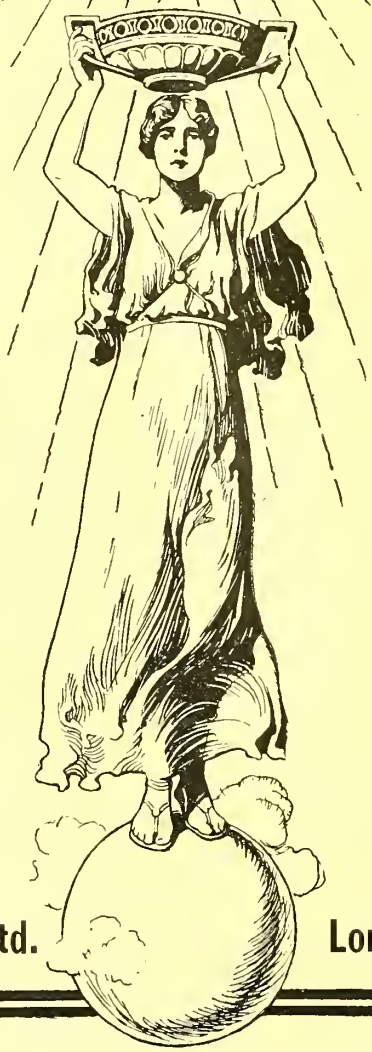
Uses of "Bynogen."

"Bynogen" is indicated in all Enfeebled Conditions, in Convalescence after Severe Illness, Mental and Nervous Exhaustion due to worry or overwork, Insomnia, Physical Fatigue, Wasting Diseases, Anæmia, Digestive Troubles, etc.

"Bynogen" is very helpful to Nursing Mothers for overcoming the strain caused by breast feeding.

Minimum Retail Prices: 1/9 and 3/- per bottle.

Gross Wholesale Prices: 17/- and 29/- per doz. bottles respectively.



A Concentrated Nutrient and Restorative

Advantages of "Bynogen."

"Bynogen" possesses a most attractive flavour and thereby overcomes the objection hitherto experienced in other somewhat similar products.

"Bynogen" strengthens digestion, improves nutrition, and does not cause constipation.

"Bynogen" is delicious when sprinkled on puddings, toast, etc. It mixes readily with milk and other fluids, or it may be eaten plain if desired.

Profit on "Bynogen."

"Bynogen" yields a profit on return of 25% monthly a/c terms. When "Bynogen" forms part of a £5 carriage paid general order for the "Allenburys" Specialities the profit on "Bynogen" is increased to 27½%

SAMPLES AND DESCRIPTIVE LEAFLETS FREE ON REQUEST

Allen & Hanburys Ltd. Lombard St., London.

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LONDON CHEMICAL WORKS, LTD.

SPECIALISTS IN THE MANUFACTURE OF

BRITISH SALICYLIC ACID

FOR PROMPT AND FORWARD DELIVERY

TELEGRAMS: "CHEMICAL"

SOUTHALL

TELEPHONE: 56

THE GENUINE **LIEBIG'S** THE GENUINE

BEEF and MALT WINE

CERTIFIED BY ANALYSIS AND GUARANTEED NON-EXCISABLE.

An excellent and refreshing drink with SodaWater

Does not contain Quinine

TO MEET

the requirements of all our Customers has always been our aim, and

THE DEMAND

for Liebig's Celebrated Production in a **Non-Excisable** form is now an accomplished fact. We therefore ask and hope to receive the support

OF THOUSANDS

of Customers who could not hitherto obtain the **Guaranteed Non-Excisable and Genuine**

LIEBIG'S BEEF & MALT WINES

No Licence required to sell this Wine.

Profit for the Trade averages over

33⅓%

A trial order will be appreciated. Orders for £3 and upwards carriage paid. Ample supply of own name Circular Matter, Showcards & Window Bills free with each order.

SOLE WHOLESALE AGENTS:

PREMIER DRUG CO. LTD., 29 Cannon St., MANCHESTER

PASCALL'S

GOLDEN MALTEX

Contains 25% Pure Malt Extract

of especial food value for Children.

¶ Pascall's Golden Maltex is admirably suited for sale by Chemists, owing to its nutritive and restorative qualities.

¶ Order through your Wholesale Druggist, or direct from the manufacturers,

JAS. PASCALL, Ltd., LONDON, S.E.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL

Are reluctantly compelled to advance the prices of the following preparations, but, as the protected retail prices are also increased, the Trader's profit is still large.

	P.A.T.A. Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	7½d.	5/-
* " " " " "	1/2	10/-
* " " " " bottles in cartons	1/6	12/-

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema	1/6	12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

CARTONS FOR STOCK LINES

WE HAVE A LARGE VARIETY OF CARTONS IN STOCK, ONE OF WHICH WE ILLUSTRATE ABOVE. THE WORKMANSHIP IS GOOD THROUGHOUT, AND WE CAN RECOMMEND THEM TO ALL WHO WISH TO SEE THEIR GOODS WELL PACKED.

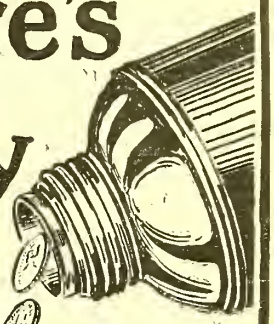
WE SHALL BE GLAD TO SEND SAMPLES OF ANY OF THE FOLLOWING CARTONS FOR

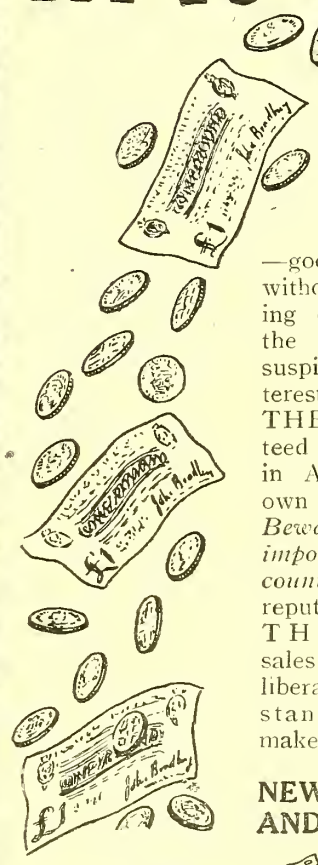
BLOOD MIXTURE
CAMOMILE
COUGH BALSAM
EMBROCATION
FRUIT SALINE
HAIR RESTORER
HYPO
LEMONADE CRYSTALS
NEURALGIA MIXTURE
SENNA
SEIDLITZ POWDERS
SYRUP OF FIGS
ETC. ETC. ETC.

ROBINSON & SONS, LTD.
BOX MAKERS TO THE CHEMIST TRADE
CHESTERFIELD & LONDON.

(21)

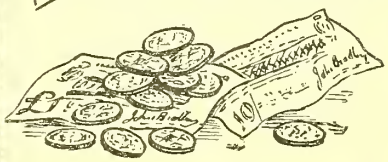
There's Money in it for you





—good, clean money, without excessive selling costs, and without the slightest taint or suspicion of enemy interests. Every genuine THERMOS is guaranteed to be made either in America or at our own works in London. *Beware of imitations imported from "neutral" countries.* The good reputation of the genuine THERMOS makes sales easy, and the liberal profits of our standardised prices makes them pay well.

NEW CATALOGUE AND PRICE LIST



just issued. Supplied to dealers in quantities for own use. Ask us for a copy.

Write now.

THERMOS

8 Long Lane, Aldersgate Street, LONDON, E.C.

'Phone: - - CENTRAL 5947.
Wire: "ULTRAISM LONDON."

"TETRA"
Crêpe Bandages.

(MADE IN FRANCE.)

The only Crêpe Bandage which is not only equal, but superior in many respects, to the famous Crêpe Velpeau.

Chemists who want to give their customers the best Crêpe Bandage made should stock "Tetra" Crêpe Bandages.

"Tetra" Crêpe Bandages are **RIGHT.**

Right for Quality. None better made anywhere.

Right for Quantity. Large stocks in London.

Right for Profit. Minimum retail prices ensure satisfactory profit.

If your wholesaler says he cannot supply you with "Tetra" Crêpe Bandages (or other "Tetra" Surgical Dressings), write to us and we will give you the name of several firms who supply "Tetra" specialities regularly.

Sole Distributors for the British Empire
(to the Wholesale Trade only)

CLEMENT & JOHNSON
19 Sicilian Avenue, London, W.C.

Telephone - - City 4373
Telegrams "Clemalexa London."

Orders from the Dominions, India, the Protectorates, and the Colonies filled carefully and promptly through reputed London Buyers or Shipping Agents.

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

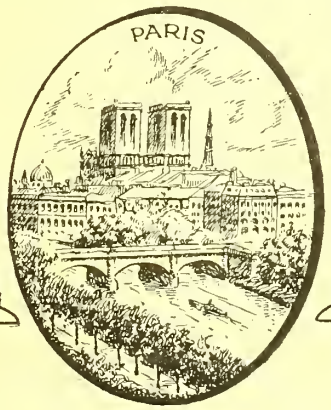
R. W. GREEFF & Co. offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries

(WHOLESALE QUANTITIES ONLY)

Acetanilid
Amidopyrin
Barbitone
Bromide of Ammonium
Bromide of Potassium
Bromide of Sodium
Chloral Hydrate
Cinchonine Sulphate and Muriate
Cinchonidine Sulphate
Citric Acid
Cocain Hydrochlor and Puriss
Cream of Tartar
Creosote Carbonate
Eucalyptus Oil—B.P. 70%
Formaldehyde
Gallic Acid
Glycerophosphates
Guaiacol Carbonate
Heliotropin
Hexamine
Homatropine
Hydroquinone
Isarol (best Ichthyol substitute)
Lithia Carbonate
Lithol (Ichthyol substitute)
Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Peppermint Oil
Pepsines, Pancreatin, Peptone and other digestive Ferments
Phenacetin
Phenazone
Pyrogallic Acid
Potassium Sulpho-Guaiacolate
Quinine and Salts
Quinine Ethyl Carbonate
Salicylate of Soda
Salol
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

R. W. Greeff & Co.,

THAMES HOUSE,
QUEEN ST. PLACE,
LONDON, E. C.



MANCHESTER BRANCH:
Lloyds Bank Buildings,
King Street.
ALSO AT
NEW YORK:
R. W. Greeff & Co.,
80, Maiden Lane.

Lines you would do well to Stock.

HOVENDEN'S
SUPERIOR BRITISH-MADE EAU DE COLOGNE

RECENT TESTIMONIAL.

"The British Superior Eau de Cologne is delicious, and we shall get it now always instead of ——, which we have hitherto used."

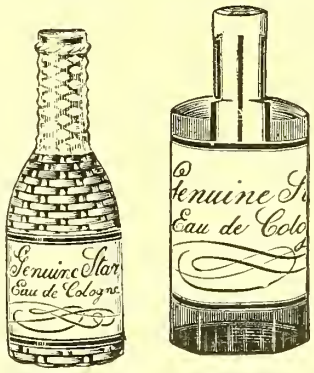
FINE QUALITY.

¼ pint, imperial, 34/- doz.

½ pint, imperial, 64/- doz.

1 pint, imperial. 126/- doz.

"STAR" BRAND.



No. 4644. No. 1497.

No. 1496. 2 oz. (about) ... 10/6 doz.
" 1497. 4 " " ... 18/- "
" 4644. 1 pint (reputed), wicker (*as illustration*) 50/- "

RECENT TESTIMONIAL.

"Many thanks for Eau de Cologne received. It certainly is the best I have used, and I am glad we are not dependent on another country for that most refreshing of Perfumes."

THE BRITISH.

No. 4677. 2 oz. (about). 15/6 doz.

No. 4679. 4 oz. (about). 27/- doz

18 oz. (fancy stoppered) 126/- doz.

Nos. 4677/79.

A GREAT FAVOURITE.

No. 4626. Decorated tins, 4/6 doz.: 52/- gross.

FLORAL HAIR CREAM.

A NON-GREASY HAIR FIXER.

No. 4619 4/9 doz.

No. 4620 8/9 doz.

THE MDME. STE CROIX'S HENNA SHAMPOO POWDER

Leaves the hair bright after use.

No. 4618/7.

7 Packets in Box 7/6 per doz. boxes.

Customer's own Name FREE on 3 doz. boxes.

HOVENDEN'S SPECIALITIES.

TOILET & BATH SOAPS & CRYSTALS (Real Luxuries).
MEDICATED SOAPS, PINE TAR, MILK OF SULPHUR, &c.
COMPACTÉ POUDRE PARISIENNE (BRUNETTE, &c.).
SWEET LAVENDER (MAUD MILLETT BRAND).
IMPERIAL BATH CRYSTALS.
THEATRICAL COLD CREAM (The Make-up Remover).

SPECIAL QUOTATIONS ON APPLICATION.

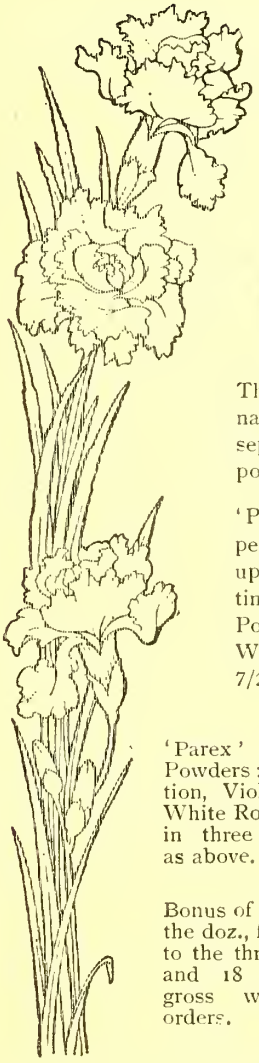
Subject to 2½% Cash Discount. A copy of our Monthly Illustrated List will be sent on application.

R. HOVENDEN & SONS, Ltd.

29, 30, 31, 32 & 33 BERNERS ST., OXFORD ST., W. Tel. No.: Museum 2810 (3 lines).
And 89, 91, 93 & 95 CITY RD., FINSBURY, E.C. Tel. No.: 6260 London Wall (2 lines).
Factory: 41 to 53 BRITANNIA ROW, ISLINGTON, N.

LONDON.

Maw's Page
S. MAW, SON, & SONS, (G.P.O. BOX No. 541) 7-12, ALDERSGATE ST. LONDON, E.C.
No. 247 JULY 8, 1916



'PAREX' CARNATION TALCUM POWDER

The breath of freshly plucked carnations is imprisoned in this antiseptic toilet and nursery talcum powder.

'Parex' Talcum Powders are perfectly refined preparations, put up in daintily printed sprinkler-top tins. 'Parex' Carnation Talcum Powder is made in three colours: White, Rose, and Rachel. Price 7/2 doz. with bonus.

'Parex' Talcum Powders: Carnation, Violet, and White Rose, each in three colours as above.

Bonus of 1 tin to the doz., four tins to the three doz., and 18 to the gross with *all* orders.

THE new toilet requisite, Maw's "Pliant" Hand Scrub, is already a success. 8/6 doz., or 3 doz. for 24/-, with beautiful photogravure showcard.

. . .

COLLAPSIBLE Goggles make a good line to show now. Price 18/- doz.

. . .

IDEAL Corn Razors, each in carton, with blades, 8/- doz. The "Ideal" is a neat, efficient appliance.

. . .

A USEFUL and economical line is our perforated Court Plaster. Put up in celluloid case. Price 4/- doz.

STOP PRESS

What the Stop Press column is to the newspaper, the "Economic Sign" is to the pharmacy. It tells your customers the latest news.

Write *now* for a copy of "Bulletin Your Business"—all about the Economic Sign.

CREPE-BANDAGES

We have devoted particular attention to the production of high-class Crêpe Bandages. A cheap quality production is useless as a leg support. Our super Crêpe Bandages are elastic to an unusually high degree, and exceptionally strong. They may be repeatedly washed and will come up as good as new, and they will outlast several cheap ones. Put up in handsome cartons; a thorough British line. Prices and details on application.

The Password

The hub of a great establishment, the nerve centre of a puissant business, our private telephone exchange occupies an important position in the House of Maw.

If there is any romance in trade, you will find it here, set to the constant tinkle of multitudinous "calls."

. . .

As a password will admit a friend beyond the outposts of an army, so "City Seven" puts a pharmacist in touch with our organisation. It is the key to the freedom of our service; the *open sesame* to expert attention.

So important a part does the telephone play in modern business that, at considerable trouble, we abolished our old four-figure call number for the more easily memorised "City Seven," quickly pronounced and devoid of any risk of error due to indistinct diction.

. . .

And "City Seven" echoes through the wires many hundreds of times a day. The intricately spun voice of industry speaks to us on a thousand different subjects.

Our customers and travellers, our departments and wholesale branches, are all users of the telephone. It is the link between the House and the great world of commerce always working for the maintenance of our supplies.

The Talking Machine is at the service of all.

Every Pharmacist knows those certain hours of the day, when, as if by some subtle pre-arrangement, many customers simultaneously tax his attentions. Our telephone exchange has just such a "rush time." Between ten-thirty and twelve in the morning is an "unhealthy" period in which to call "City Seven" if it can be avoided. The lines and extra lines are then working at full pressure.

. . .

If you want to be sure of "getting through" without undue delay, any other time between 8.30 and 5.30 is preferable.

Capsule

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

THE MOST ECONOMICAL INFANTS' FOOD.

ON P.A.T.A. LIST. *SHOWCARDS FREE.*

FRAME FOOD CO., Standen Road, Southfields, London.

Sanaphos as a Summer Beverage.

T. M. Reg.

SANAPHOS IS THE ONLY EASILY MISCIBLE NERVE FOOD.

"Sanaphos and Soda."

A large demand has arisen for Sanaphos prepared as follows:—To two tablespoonfuls of water add about two small teaspoonfuls of Sanaphos, stir rapidly with spoon or fork and fill the tumbler with Soda Water.

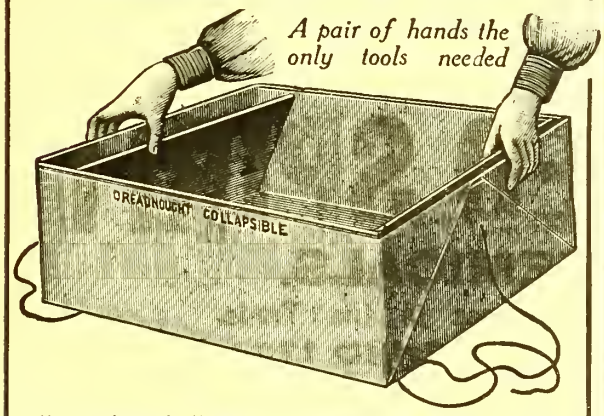
Recommend this method of preparation to your customers.

Chemists having Soda Fountains or doing a "cooling drink" business are invited to write for special terms. Sanaphos in large tins expressly packed for retailing as a Summer Beverage, can now be obtained. These large tins will be supplied only to chemists and are not for resale to the public.

THE BRITISH MILK PRODUCTS CO., LTD., 69 MARK LANE, LONDON, E.C.

IF YOUR PACKERS ARE "CALLED UP"
you can still ensure safe transit of goods by adopting the simplified "Dreadnought" or "Hercules" nail-less ready-for-use packing cases. Boy or girl labour is all you require.

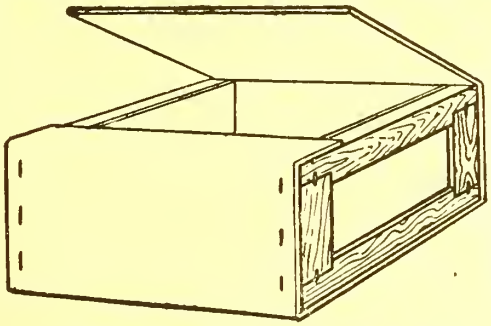
"DREADNOUGHT" Collapsible Packing Cases



"Dreadnought" Boxes are made of strong strawboard, waterproofed inside, with strings attached, ready for instant erection and dispatch. The collapsible parts are *all inside* the box, forming extra strengthening power, the exterior being a smooth, even surface available for labelling. Apart from the strings there are no fastenings whatever. The boxes can be erected in the short space of a few seconds; are **Strong, Rigid, Light, and Neat,** thus in every way being an improvement on the old-time heavy and troublesome wood cases.

Where boxes of *exceptional* strength are required we recommend the new

"HERCULES" WOOD-END BOXES,



Specially designed for the safe transit of heavy articles.

which possess the actual *maximum* of strength and capacity with the *minimum* of weight.

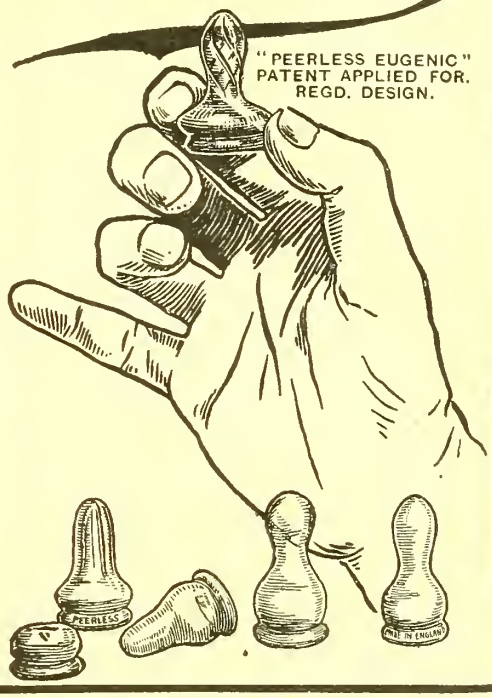
State sizes of boxes, weight, and nature of contents and approximate quantities required, when all the requisite information will be forthcoming.

Address the Sole Makers:

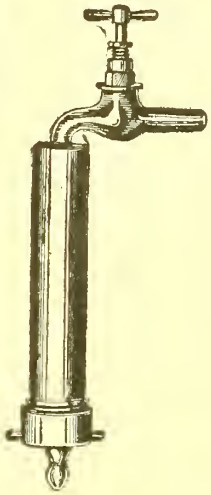
GLOBE BOX CO. (Proprietors, Cartwright & Rattray, Ltd.)
HYDE, CHESHIRE.

Telephone No. 115 HYDE (2 lines).

Peerless



PURE
DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT STATEMENT:

Wherever the **PASTEUR FILTER** has been applied, **TYPHOID FEVER** has disappeared.

WRITE FOR LIST B.

SOLE MAKERS:
The British Pasteur Chamberland Filter Co.
5 WHITE STREET, FINSBURY, LONDON, E.C.

DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu.
TONKA BEANS, Angosturas.

'Phone: CITY 2468.

Telegrams: "EGDARF, FEN, LONDON."

METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.

Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

"LESCOL" FLORAL PERFUMES

In 50 Different Odours. For Home & Export, to suit all Markets.

LINES FROM 1d. TO A GUINEA.

YOUR ATTENTION IS DRAWN TO OUR

EAU DE COLOGNE In All Sizes. Own Manufacture

Also LAVENDER WATERS, SMELLING SALTS, BRILLIANTINES, and all Toilet Preparations.

Write for our NEW PRICE LIST (Illustrated in Colours), showing our very attractive New Lines, to the

LESCOL PERFUMERY CO., Lomond Grove, Camberwell Green, LONDON, S.E.

Telephone: 810 HOP. Telegrams: "VANILLIN, CAMBER, LONDON."

ARTHUR WHITTAKER

Manufacturer and Merchant

Concentrated COLOURING & FLAVOURING MATERIALS for Food,

Newton Heath, Manchester.

SESQUITO-ORANGE

25/- per ounce 380/- per lb.

The present price of Oil of Orange makes this unique preparation invaluable. It is more than half-as-strong again as the Terpeneless Oil, and seventy times the strength of ordinary oil. It is soluble in *very weak alcohol.* Half-ounce added to a Winchester of Soluble Essence makes same Double Strength, or one ounce added makes it Treble Strength. Unsurpassed for Syrups, Orange Wine, Table Jellies, Capsules, etc.

Similar productions in Lemon, Limes, Aniseed, Cloves, Peppermint, Ginger, etc., and Compounded Sesquito-Eau-de-Cologne, Lavender Water, etc. Ask for pamphlets.

1 oz. sample 2/-

VANOLEUM

½ lb. 13/6
1 lb. 26/-

Registered Trade Mark.

SUPERSEDES VANILLIN.

One-16th equals two gallons Essence Vanilla, and is soluble in warm water.

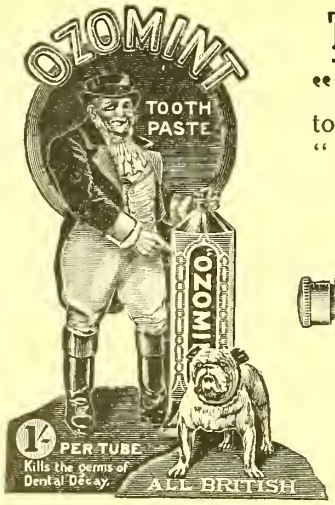
WE SPECIALISE IN ALL RAW MATERIALS FOR AERATED WATERS, ESSENTIAL OILS, FRUIT AND SOLUBLE ESSENCES, COLOURINGS, ACIDS, HEADING, PRESERVATIVES, ETC.

Agents wanted in Russia, Africa, India, Japan and Australasia.

ARTHUR WHITTAKER

Telegrams: "Sesqui Manchester." A B C Code, 5th Edition.

Newton Heath, Manchester.



THE NEW TOOTH PASTE.

"OZOMINT" has been produced to replace the German Tooth Paste "PEBECO," which is now practically unobtainable.

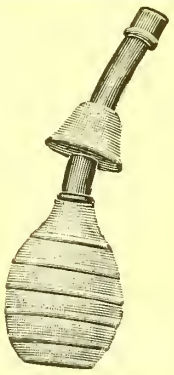
DO YOU STOCK IT?
NOW is the time to push.

EACH TUBE PACKED IN A SEPARATE CARTON,
12 CARTONS IN ATTRACTIVE CARDBOARD OUTER.

Free Handsome Showcards (as illustrated) with Orders for 1 dozen.

Price 7/6 per dozen tubes.

CUXSON, GERRARD & CO., Ltd., OLDBURY.



"ELLEMM"

BRAND

WHIRLING SPRAYS,
ENEMAS,
HOUSEHOLD RUBBER GOODS,
SEAMLESS RUBBER GOODS, &c.

LEONARD MORRIS
7 Brazenose St., Manchester.
T.A.: "Ellemm." T.N.: 1097 Central.

The BEST VALUE on the MARKET.

OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market.
Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle.

ALSO 3d. SAMPLE BOTTLES.

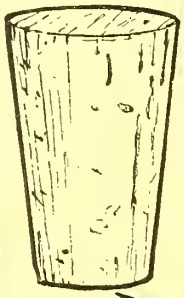
Shippers and Wholesale Buyers supplied on the best terms by
THOMAS WEST & SON, 1187 Chester Road, Stretford. **MANCHESTER.**

BRITISH MADE

SCENT SPRINKLERS COLLAPSIBLE TUBES

Decorated Tin Boxes & Canisters

Manufactured by
The JOHN DALE Mfg. Coy.,
NEW SOUTHGATE, LONDON, N.



CORKS for CHEMISTS

6 & 8 oz., 1 inch long.

"N.I." Quality	4½d.	per gross
"1st" "	7d.	" "
"G.A.O." "	9d.	" "
"S.C.E." "	1/3	" "

Plus 10% War advance.

MITCHELLS, Ltd. THE CORK FIRM
LIMEHOUSE, LONDON, E.

10/- worth delivered free in British Isles

A. W. SCHWARZ

CHEMICAL WORKS

Altstetten-Zurich (Switzerland).

Factory of Chemical Products and Raw Materials for Manufacturers of

PERFUMES & SOAPS

Synthetic and Aromatic Chemicals	Specialities : Finest Compositions for Flower Perfumes	Special Perfumes for Composition of Finest Soaps
Linalyle Acetate	**Acacia**	**Carnation**
Terpinyle „	**Biancol**	**Hyacinth**
Citronellol	**Birosine**	**Jasmin**
Geraniol	**Bouvardine**	**Lilac**
Rhodinol	**Capucine**	**Lily of the Valley**
Linalol	**Chirassol**	**Opopanax**
Terpeniol	**Cyclamen**	**Patchouli**
Phenylethyl Alcohol Technique	**Lilas de la Fleur**	**Peau d'Espagne**
Irine, extra pure 100%	**Monovinia**	**Reseda**
Violet, in all shades	**Muguet de la Fleur**	**Rose**
Loritol, basis Muguet	**Narcissus**	**Sweet Pea**
Ambrettol	**Neroli**	**Wallflower**
Musc Keton	**Carnation**	
	Rose de Dijon	
	Rose d'Italie	
	Roseine	
	Sweet Pea	
	Trefle	
	Verdure de Violette	
	Vivetta	

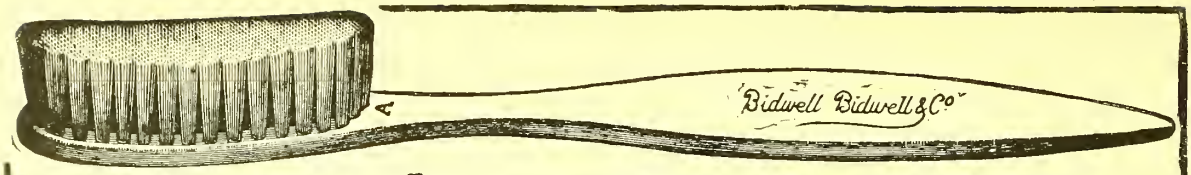
SWISS **FIRM**

SAMPLES AND PRICES ON APPLICATION TO MY AGENTS :

FELICE BONAVENTURA & CO.

Chesterfield House, 98 GT. TOWER ST., LONDON, E.C.

Telephone : 2743 Avenue. Telegrams : " Felibona London."



BIDWELLS' TOOTH BRUSHES.

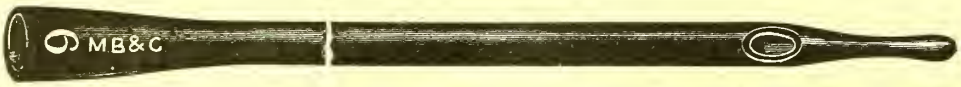
NO LOOSE HAIRS.

Please send for Catalogue—

BIDWELL, BIDWELL & CO., Ltd., AXMINSTER, DEVON.

LONDON OFFICE: BUSH LANE HOUSE, CANNON STREET, E.C.

ELASTIC GUM SURGICAL INSTRUMENTS.



Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Œsophageal Instruments.
Horse Catheters and Cattle Probangs. Wholesale and Export only. *Price List from the Manufacturers.*

MASON BROS. & CHAPMAN, 107 Whitecross St., LONDON, E.C.

The Summer Issue of the "Chemist & Druggist"

will be published on July 29, 1916.

Firms desirous of sending out Circulars or Price Lists to the trade with this issue should communicate at once with

The Publisher, 42 Cannon Street, London, E.C.

EVEN WHEN
UPSIDE DOWN
the contents do not leak if the bottle is capped with

SEMREH

BOTTLE CAPS.

They provide a Hermetic Seal.

THE VISCOSE DEVLPT. CO., LTD.
BROMLEY : KENT.

SUPPORT HOME INDUSTRIES.

Estd. 1777.

Incd. 1900.

BUY KENT'S BRUSHES.

Winter Issue, 1916, pp. 96, 97.
Diary, 1916, pp. 96, 97.

LABORATORY OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.
LONDON AGENTS:
WILCOX, JOZEAU & CO., 49, Haymarket, S.W.

CHAPOTEAUT'S CAPSULES of PHOSPHOGLYCERATE of LIME.
THE BEST TONIC FOR FORTIFYING AND BUILDING UP THE NERVOUS SYSTEM.
Sold by all Chemists.
Wholesale: 8, Rue Vivienne, PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES
MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.
It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.
SOLD BY ALL DRUGGISTS.

CHANDRON'S DROPS
(Gouttes des Colonies)
A harmless antiseptic preventative against CHOLERA-FERMENTATION-INDIGESTION & other intestinal disturbances.
SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

The stock that's sure to move.

Ten million housewives are being informed through the Press that **Iron-mould** is no longer immovable. Think of all these women learning by a series of forceful advertisements in the biggest and most influential fashion and home periodicals that

TRADE MARK

MOOVOL

Regd

Removes Iron-mould, Grass and Fruit Stains, Ink, and that disagreeable Yellow Tinge from old linen without harming the fabric in any way. Think of the demand for Moovol that is sure to come, and decide to put it in stock now. Simply fill in the Coupon, and send it at once. You will receive display material together with the trial stock—and be glad you wrote, when you reap the profit.

W. EDGE & SONS, LTD.,
BOLTON, LANCS.

The Drummer Dye People.

ORDER. To WILLIAM EDGE & SONS, Ltd.
Please supply the following trial stock of Moovol (Carriage Paid) together with free batch of Display Material, Leaflets, etc.
.....doz. Moovol, 6d. size at 4/6
.....doz. Moovol, 1/- size at 8/9
(Signed).....
Address.....

ZEE-KOL
THE WONDER SKIN CURE

Zee-Kol is a scientific production of great curative and antiseptic qualities, so well blended together that it forms a skin ointment of great value to sufferers from skin diseases. It has been proved that it cures all the skin diseases that we publish in our numerous advertisements.

LARGE ADVERTISING CAMPAIGN STARTS AT ONCE.
SEE THAT YOU ARE WELL STOCKED.

Retail Prices, 1/3 and 3/- (P.A.T.A)
Net Wholesale Prices, 12/- and 28/6 per dozen.

THE ZEE-KOL MANFG. CO.,
104 High Holborn, London, W.C.

Telephone: 1797 Holborn.
Telegraphic Address. "Zeekolma, Westcent, London."

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.
BEST QUININE, TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.
WHITE PHIALS.—½ oz., 1 oz., 1½ oz., 2 oz. Plain or teaspoons.
BLUE LOTION BOTTLES.—½ oz., 1 oz., 1½ oz., 2 oz., 3 oz., 4 oz 6 oz., 8 oz., 12 oz.
PANEL BOTTLES.
We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.
CORKS.
Good quality. No advance in price: 6 and 8 oz. bottles, 9d. per gross in 6 gross bags. Vials 6d. per gross in 3 gross bags.

I. ISAACS & CO.,
106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.
Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.
Orders sent to either establishment have attention
Established 100 Years.

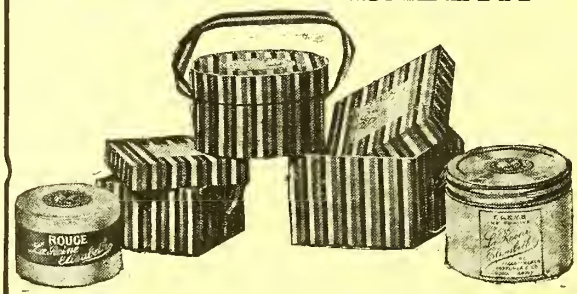
IMPORTANT NOTICE

The Anglo-French Perfumery Co. (incorporated with the Parfumerie Aristocratique of Paris) have established a branch at 69 Hatton Garden, London, E.C., where they are manufacturing their high-class Toilet Preparations, viz., **Face Powders, Creams,** the renowned **Lait de Lys Djenane** (Skin Food Milk); also **Rouge, Nail Preparations** (the World's best Nail Paste—'Ouvarda'), **Perfumes, French and Russian Eau de Cologne,** and **Hair Requisites.** Shippers requiring Toilet Preparations for Export are specially catered for (Customers' labels supplied with goods if required).

A New and Novel Line which is creating a big demand—packed in true Belgian colours—is very attractive, and makes a grand display in the window,

The Triple Entente of the Toilet Table—

"LA REINE ELISABETH"



Powder	10/- and 15/6 doz. boxes
Cream Vanishing & Skin Food (non-greasy)	12/- „ 15/- doz. pots
Rouge	12/- „

Apply for Price List and Samples to

69 Hatton Garden, LONDON, E.C.

LIQUID PARAFFIN B.P.

PETROLEUM JELLY

WHITE OILS

HALF-WHITE AND COLOURED MINERAL OILS.

STERN SONNEBORN OIL CO., LTD., 16 FINSBURY SQUARE, LONDON, E.C.

ALL CHEMISTS SHOULD STOCK ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Quarter of a Century's Reputation.

"**ABDINE**" is the most popular Health Drink. Superior to all Mineral Waters. Sold in **1d.** Packets, and Boxes of 13 Packets at **1/-**

Order through your Wholesale Drug House.

D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

Wholesale Prices on Application.

KRASKA

THE QUEEN LIQUID
:: NAIL POLISH ::

Highly Profitable.

Sold at all Wholesale Houses
8/3 11/- 16/6
Per Dozen.

Retailing at
1/- 1/6 2/6
Per Bottle.

Applications for Agencies invited.

The Kraska Co., Ld.
7 Blenheim St., LONDON, W.

TO ALL BUYERS OF

PARAFFIN WAX

SPECIALITY HIGH GRADE WAX

APPLY TO [2]

ASIATIC PETROLEUM Co. LTD
St. Helens Court, Great St. Helens, LONDON, E.C.

No. 77

BRITISH Eau de Cologne

In Square Bottles

2 oz.	...	11/- doz.
4 ,,	...	21/6 ,,
8 ,,	...	41/6 ,,

In Wickered Bottles

½ pint	...	34/6 doz.
1 ,,	...	65/- ,,
2 ,,	...	122/- ,,

Write for Samples. Showcards supplied.

MANUFACTURED ONLY BY

WILLIAM TOOGOOD, Ltd.,

77 Southwark Street, London, S.E.

OVER 100 % PROFIT ENSURED & PROTECTED (P.A.T.A.)

for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail	Minimum wholesale.	
1/-	1/-	7/6	per doz. less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN, LTD.

DEVON WHARF,

Emmott Street, Mile End, London, E.

7d.

Make your old Hat a new one.

In bottles, 7d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

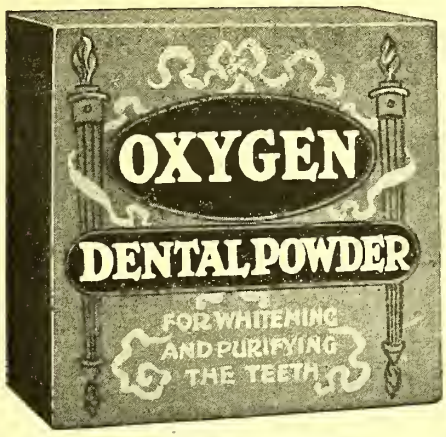
NO GLOSS.
NO POLISH.

On the P.A.T.A.

Write for terms, patterns also leaflet of testimonials.

"Luton" HAT DYE

WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.
London Depot: 60-62 Clerkenwell Road, E.C.
"Glossy" Series supplied if desired.
Special Non-Inflammable Series for Export. *Est. 1878.*
Telegraphic Address: "Dullette Kendal." Telephone: No. 214.



The Best OWN NAME

TOOTH POWDER

with the biggest Profit!

Seventeen different designs and labels. You can have the Sole Agency for your town for the label you select.

Write for specimens before your rival gets the smartest design.

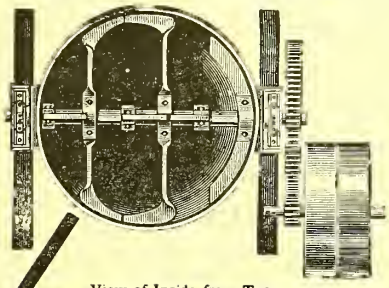
A real Oxygen Powder of delightful quality, packed in Enamelled Tins, with Enamelled Label and smart Card Outer. Your name appears on both Tin and Outer. :: Attractive Showcards with each order.

PRICES :—Per gross **36/-** ; ½ gross **18/6** ; ¼ gross **9/6**. Retails at **6d.**

WHITE BAND MFG. CO., Limited,

Progress Works, SOUTH CROYDON.

NEW PATENT MIXING MACHINE

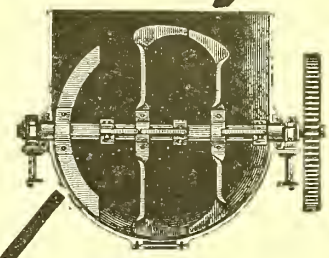


View of Inside from Top.

Cannot fail to be of advantage to you for :—

1.—**AUTOMATIC SELF-CLEANING.**
2.—**LOWEST POSSIBLE DRIVING POWER. (Stirrer Shaft rotates on Roller Bearings.)**
3.—**LIGHTNING MIXING.**
4.—**RAPID EXHAUST.**

W. ROWLANDSON & CO.,
MIXING AND GRINDING SPECIALISTS,
BOUNDARY ST., LIVERPOOL.



Sectional Side View.

THE WAR OFFICE HAS AUTHORISED the use of

"VERMIJELLI"

by the Troops, after very exhaustive investigation by the I.R.A.M.C., on the relative values of Vermicidal substances.

NON-POISONOUS. NON-INFLAMMABLE. MIXES WITH WATER.

The efficacious preventative and remedy for Lice, Fleas and other vermin.

Wholesale from *Sole Manufacturers :—*

S. BOWLEY & SON, Wellington Works, Battersea Bridge, London, S.W.

Prices : 1 lb. Tins ...	1/- each	... ...	1/5 each	Post paid in U.K.
7 lb. „ ...	6/9 „	... ...	7/9 „	
Collapsible Tubes 1/- „		... ...	1/4 „	

Respond to the demand for a first-class rat exterminator by supplying "Rodine," as nearly

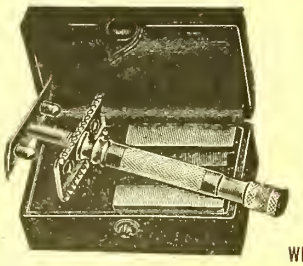
100 % PROFIT

is yours every time you do so. It helps swell the chemist's profits these days. Do it now!

HARLEY, Manufacturing Chemist, **Perth, Scotland.**

Export Agents—
TOZER, KEMSLEY & FISHER, LTD.
84 Fenchurch Street, London, E.C.

SAFETY RAZORS



Complete Outfits, 8/6 to 36/- Doz.

SAFETY RAZOR BLADES, 4/6 to 14/6 per Gross.

Wholesale trade only supplied.

HAMMETT'S, —Manufacturers,— 422 MARE STREET, London, N.E.

THE BRYTSTELE OUTFIT

For Safety Razors

Safety Razors kept in a Brytstele Bath do not require to be taken apart for cleaning or drying. Brytstele Solution keeps blades sharp for at least two months without stropping. Blades and Holders are kept bright, antiseptic, and free from rust.

ATTRACTIVE OUTFITS AS ILLUSTRATED.

Retail 2s. each ... Trade 17/- doz.
Refill Bottles (4 oz.) 10d. each ... ... „ 7/- „
Refill Bottles (10 oz.) 1s. 8d. each ... „ 13/- „

Carriage paid on dozens only. Good Showcards, etc.

THE BRYTSTELE Mfg. Co., 106 High Street, Camden Town, N.W.

For FOUNTAIN PENS and all Pens the Best.

Dichroic Ink

Makes Writing Easy

Proprietors:

Bewley & Draper, Ltd., Dublin.

"IT'S ALL IN THE EDGE."

Safety Razor Blades

RE-SHARPENED.

Any Style. **6d.** per doz. Returned post free same day.

Honed, Stropped, and Finished by the latest machinery.

SATISFACTION GUARANTEED.

William P. Kelland

36 Camomile St., London, E.C.

AND AT

LIVERPOOL - - 38 Church Street.
BIRMINGHAM - - 36 Cannon Street.
SHEFFIELD - 119 Wentworth Street.

P.S.—Send Blades to the nearest depot.

"PROFIT WITH ECONOMY."

(2)

TIDMAN'S SEA SALT

The Proprietors have been compelled to revise their prices, which are now as follows. The former prices will be reverted to as soon as market, transit, and labour conditions allow.

NEW PRICE LIST.

	Advertised Price Per doz.	Minimum Retail. Per doz.	Wholesale Per gross.
"PENNY PACKETS" (12 in box)	1/6	1/3	10/6
Twopenny Packets (12 in box) ...	2/-	2/-	19/-
	Each.	Each.	Per doz.
Boxes, about 1½ lbs.	4d.	4d.	3/4
„ „ 3½ „	8d.	8d.	6/8
„ „ 7 „	1/2	1/2	11/6
„ „ 14 „	2/-	2/-	20/-

Four 7 lb. Boxes CARRIAGE PAID for 4/–.
Six 7 lb. Boxes CARRIAGE PAID at 11/6 per doz.
Assorted Orders to value of 10/-, CARRIAGE PAID, any of above sizes.

No stock to hold		Each.	Each.	Each.
	Bags of 28 lbs.	3/6	3/6	3/-
	„ 56 „	6/6	6/6	5/6
	„ 1 cwt.	12/-	12/-	10/-

Carriage Paid.

2½ % Discount for Cash on all orders of 20/- and upwards.

Packing Cases extra and returnable. Half value allowed if not returned.

TIDMAN & SON, Ltd., London, E. (Members of P.A.T.A.)

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

BEETHAM'S

"LAROLA"

(Registered)

Is the Skin Tonic for 1916.

It is effective.
It is attractive.
It is price-protected.
It is well-advertised.
It sells readily.
It bears a good profit.

HAVE YOU OUR SHOWCARD?

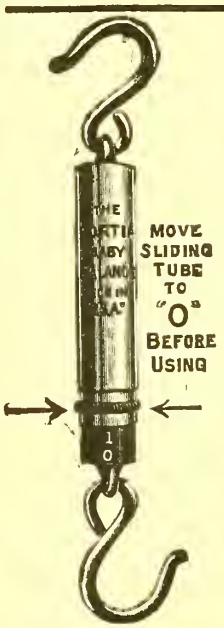
THIS IS WHAT THE "C. & D." SAYS OF IT:

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17) can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, Cheltenham.

A Profitable Seller



THE

"PORTIA"

(Regd.)

NET WEIGHT

Baby Balance

Weighs up to 15 lb.

Price	Retail
11/6	1/6
dozen.	each.

Hang a balance in your window with our dainty cut-out showcard in colours on the lower hook, showing a baby actually being weighed, and you will soon be re-ordering.

SOLPORT BROS.,

184 to 190 Goswell Rd., London, E.C.

Obtainable through all Wholesale Houses.

"Indispensable."

THE EXTRA PHARMACOPŒIA NOW READY.

By MARTINDALE & WESTCOTT.

SIXTEENTH EDITION (1915). REVISED AND ENLARGED.

PRICE 21s. net; postage 5d., abroad 6d. Separately, Vol. I., 14s. net; postage 5d. Vol. II. 7s. net; postage 3d.

"It is a book that is indispensable to the modern pharmacist, and in this case an old edition is not 'just as good.'"—*Chemist and Druggist.*

"The two volumes together form an invaluable compendium of information."

"A work of great utility."—*The Lancet.* [*British Medical Journal.*

"The Extra Pharmacopœia maintains its high standard and more. All interested will welcome this new edition of an indispensable book."—*Pharmaceutical Journal.*

LONDON: H. K. LEWIS & CO. LTD., 136 GOWER ST., LONDON, W.C.

Also of W. MARTINDALE, 10 NEW CAVENDISH STREET, LONDON, W.

SCHOOL OF PHARMACY

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PHARMACEUTICAL SOCIETY.

The School provides systematic courses of instruction for the Minor and Major Examinations of the Pharmaceutical Society. Both Courses commence in October, the Minor Course continuing until the end of June 1917.

Arrangements have been made to admit to Special Shorter Courses Students who can satisfy the Dean that they have already received adequate scientific training.

Applications for admission to the School, or for any information respecting it, should be addressed to—

THE DEAN OF THE SCHOOL (Prof. Greenish, F.I.C.), 17 Bloomsbury Square, W.C.

FOR SOUND AND PRACTICAL TUITION IT IS UNEXCELLED.

LIVERPOOL SCHOOL OF PHARMACY

FOUNDED IN 1850 by the LIVERPOOL CHEMISTS' ASSOCIATION, and still RECOMMENDED by that Body.

PRINCIPAL, H. HUMPHREYS JONES, Ph.C., F.C.S.

JANUARY MINOR PASS LIST	PRACTICAL... ...	100%
	THEORY	85%
APRIL MINOR PASS LIST	PRACTICAL... ...	100%
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COURSES for APOTHECARIES' HALL and MINOR Exams. have just commenced.

Full particulars on application to the PRINCIPAL, 18 COLQUITT STREET, LIVERPOOL

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EVAPORATING BASINS, COMBUSTION TUBES AND BOATS, BEAKERS, FUNNELS, SIEVE PLATES, PNEUMATIC TROUGHS, &c., in standard forms and sizes.

ROYAL WORCESTER Laboratory Porcelain

The National Physical Laboratory reports: "Royal Worcester Laboratory Ware, in regard to all the qualities which can be compared in a short period test is as good as the best Laboratory Ware, I have hitherto employed, of which the Royal Berlin Ware is a typical example."

The WORCESTER ROYAL PORCELAIN CO., Ltd.

WORCESTER, England.

USE BRITISH PRODUCTS.

NEPENTHE.

When the prices of nearly all sedatives and hypnotics have advanced considerably, we may be pardoned for calling attention to the fact that the price of "Nepenthe" remains unaltered.

THE SAFEST AND BEST PREPARATION OF OPIUM.

NEPENTHE in 2 oz., 4 oz., 8 oz. and 16 oz. bottles.

GLYCEROLE OF NEPENTHE (eight times the single strength) for hypodermic injection. In 1 oz. bottles.

NEPENTHE SUPPOSITORIES in four strengths. Equivalent to $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ and 1 grain Morphia.

The word "Nepenthe" is registered under the Trade Marks Act, and is our exclusive property. No substitute may be dispensed when "Nepenthe" is ordered in a prescription.

FERRIS & COMPY., LTD., BRISTOL.

PERFECT PHOTOGRAPHIC EMULSIONS
depend on the purity of their ingredients.

NITRATE SILVER

is the most important of these, and it happens also to be very sensitive to contamination.

A wide margin of safety has therefore always been our principle in manufacturingit. Firstly, throughout the whole of our processes we use exclusively vessels made of Gold and Platinum. Secondly, all our first crystals are twice redissolved and recrystallised. Thirdly, every batch of final crystals is tested before passing into our st ock.

Our guarantee of highest purity is thus assured.

Competitive Quotations on request.

Mark indents "Johnson, Matthey's."

None genuine if not labelled with our name and Trade Mark.

Cables—"MATTHEY LONDON" (all Codes used).
Telephone—9740 CITY (6 lines).

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MELTERS & ASSAYERS TO THE BANK OF ENGLAND
74 & 81 HATTON GARDEN
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Best Quality at Lowest Prices

WRITE FOR PRICE LIST.
40 DIFFERENT KINDS.
Special Quotations to Wholesale Buyers

THE "MATER" LENS FRONT (Regd.)
CLINICAL THERMOMETER.

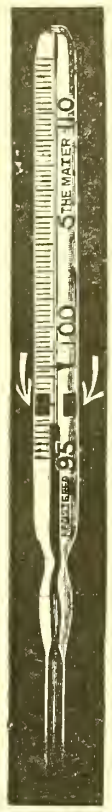
P.A.T.A.

MERCURY COLUMN SEEN AT A GLANCE.
Made in Two Rapidities, 1 Minute and ½ Minute.

New Price List of Thermometers for every purpose, post free.

PERKEN, SON & CO. LTD.

ESTABLISHED 1852.
Contractors to H.M. Government.
99 Hatton Garden, LONDON.



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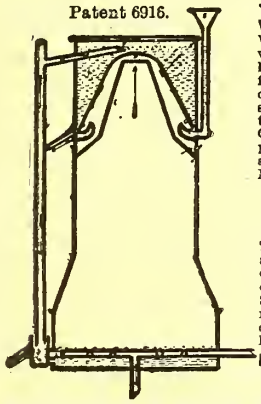

TO MANUFACTURING AND WHOLESALE DRUGGISTS, &c.

We beg to call attention to the fact that our well-known Patent Stills are made for heating by steam pressure. Where this is available it forms a very cheap and efficient method of obtaining distilled water. Any pressure will suit from 10 to 200 lb., made in various sizes to produce from 1½ to 15 gallons PER HOUR. Cost of distilled water made this way is practically nil. As with our Gas Stills, these are perfectly automatic. Prices as below:—

For producing up to

1½ gallons per hour,	£3 10 0		
" 5 " "	£10 0 0		+20%
" 9 " "	£12 10 0		
" 15 " "	£16 10 0		

The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills:—National Physical Laboratory, 2 in use; Imperial College of Science 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital Bacteriological Department; and many of the leading Breweries and Drug Houses, etc. etc.

Pamphlets & particulars forwarded on application

Estimates submitted free if required for supplying and fitting complete.

BROWN & SON, Alembic Works, Wedmore St., Holloway, N.
(Late 25 Charlotte Street, N.)

SURGICAL BANDAGE MACHINERY

Complete Plant for Making Bandages.

CLOTH ROLLING & MEASURING MACHINE
BANDAGE PAPERING MACHINE.
BANDAGE CUTTING MACHINE.

BANDAGE CUTTING MACHINE

CUTS 66 BANDAGES PER MINUTE

Prices and Particulars on application to Patentees & Manufacturers
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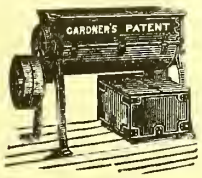
GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS

OVER 4,000 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust



FOR HAND OR POWER.
From 55/- to £90.
CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER.

FREDK. FINK & CO.,
10 & 11 MINCING LANE, LONDON, E.C.
SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRECIPITATED CHALK.
Lightest and Whitest, also Purest Dense.
APPLY TO
AUG. LEVERMORE & CO. Ltd., 8-10 Gt. St. Helens, LONDON, E.C.
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Ebor Parcel Seals instead of Wax are a proved success.
Good advertising, quick in use and smart. Widely used by the retailer. A real labour saver for factory packing. Special sizes for Chemists.
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WATER-WHITE, 880,
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ANILINE DYES
FOR FOOD STUFFS, ETC.
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"BAITED" PHOSPHOR PASTE.

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NO PUNCH REQUIRED. — NEAT & COMPACT.

Samples—9d. Quarto, 1/- Foolscap, post paid.

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All makes of Typewriters from £3.

Zepto *advertised 9d. P.A.T.A. 7½d. 4/6 dozen.*

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PRICES.

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1 Dozen in Box, with directions	Per Dozen Boxes	0	12	0
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5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards to any town in the United Kingdom.

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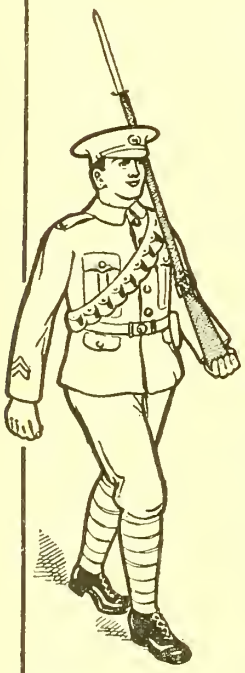
The New Military Law

The New Military Law, which came into force on June 24th, 1916, automatically makes all men from the ages of 18 years to 41 years into a soldier, unless special exemption has been given or an appeal pending.

Patriotism demands that all trades, not specially engaged in direct munitions of warfare, should relinquish as many of their staff of workmen as it is possible for them to release.

Although many trades under this arrangement are heavily affected, and ours is one of these unfortunate ones, we nevertheless, as sensible people, realize it is our duty to do all we can to assist the Military Authorities to prosecute with the uttermost rigidity that policy which will bring this terrible War to a successful issue.



At the same time, we, as a trade, are sacrificing both men and opportunity for the National welfare, we also must not forget that those left at home ought to their best ability endeavour to keep the Flag flying, and help to maintain the standard of efficiency of the trade or profession they represent **until the Boys come home.**

Practical Chemists and Printers are categorically in the same position, and it must follow that in their own interests there should be unity of action. The enterprising Chemist should patronise the up-to-date Printer in a business-like manner, so that his many Specialities, Drugs, Chemicals, and Sundry Articles can be most suitably advertised, and attractively placed before the public.

We have many years of experience in this particular line, and are at all times ready and anxious to give those who require it the benefit of that experience.

Let us help one another, and by this endeavour we shall be giving the public our best, and in return secure those "Silver Bullets" which are beneficial both to our interests and the War Loan.

Send 6d. for Samples,
Full Set of Samples to Colonies charged 10/6, which we credit if order is placed for £5 and upwards.

Thomas Waide & Sons
Chemists' Printers,
KIRKSTALL ROAD, LEEDS.

GOOD!

IT'S MASON'S

EXTRACT OF HERBS.

The Drink for the Masses.

Millions of Glasses used daily by workers all over the Empire.

A CONSTANT USER SAYS:

Scole, Norfolk.

Gentlemen—
For years I took a glass of Malt Liquor before dinner to create an appetite, as I was a poor feeder. Some months ago I beard of your Extract for making Beer. I gave it a trial and have ever since used it as a substitute for the other, and the result is most satisfactory. After being bottled a few days it is as bright and sparkles like bottled Ale. Since taking it I have been free from the cruel pains of Indigestion from which I had suffered a long time. Now instead of going to the "public house" in the evening for my usual glass, I smoke my pipe at home, drink my Herb Beverage and enjoy it, go to bed and sleep soundly. I have recommended it to many others, who have tried it with like results. Your Agent here thought I ought to give you a testimonial.

I am, Sirs, yours truly, J. W.

Besides being a grand refresher, Herb Beer made from

MASON'S EXTRACT OF HERBS

is cheap. For **2d.** you can make a gallon of the most wholesome and invigorating beverage you ever tasted.

Please allow us to Sample and Quote—

Citrate Magnesia
Health Salt
Salines
Liver Salt
Blood Salt
Sulph. & Sarsap. Salt
Lemonade
Crystals, &c.

NEWBALL & MASON,
NOTTINGHAM.

A PROFITABLE IDEA

THOUSANDS of infants are fed on humanised milk bought ready made, which does not profit you. Most of the mothers would prefer to have the milk prepared at home if they knew what a saving it meant and how easily it is done with

TRADE MARK **'KEPLER' Malt Extract**

It is obviously to your advantage to suggest this method to every nurse and mother buying baby's requisites.

DO NOT LET THIS BUSINESS ESCAPE

A showcard in the window helps to bring customers. Excellent cards are available and will be sent post free on application. Cards of directions for presentation to customers who are interested are also supplied. Address—

BURROUGHS WELLCOME & Co.
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To prepare Humanised Milk

Cream	2 fluid ozs
Cow's Milk	9 " "
Water	17½ " "
'KEPLER' Malt Extract	1½ " "

It must be 'KEPLER'

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CHEMISTS' EMULSION

MORE POPULAR THAN EVER.

This Emulsion is restricted in its sale to Pharmacists only.

NO ADVANCE IN PRICE

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Subject to our Profit-Sharing Discount of 10%.

Cash in 14 days. Carriage Paid on orders to the value of £2, or with other goods.

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'Panopepton'

'PANOPEPTON' presents the entire edible substance of prime lean beef and best wheat flour in a perfectly soluble, diffusible, and absorbable form. It is at once a grateful stimulant and food.

For an adult the usual portion should be a dessertspoonful to a tablespoonful several times a day and at bedtime.

Supplied in 6-oz. and 12-oz. bottles at **27/-** and **46/-** per doz.

Glycerinum Pepsini Concentrated (Fairchild)

50% stronger than the product of the 1914 B.P.

To make 24 oz. GLYCERINUM PEPSINI B.P.

℞ Glycerinum Pepsini, Concentrated (Fairchild)	16 oz.
Acid Hydrochloric	40 minim.
Glycerin	4 oz. 6 drms.
Distilled water, sufficient to produce	24 oz.

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These prices are subject to B. W. & Co.'s Terms.

GLYCERINUM PEPSINI CONCENTRATED (FAIRCHILD) may be obtained from all Wholesalers.

Originated and Manufactured by
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And 64/65 Holborn Viaduct, London, E.C.

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BURROUGHS WELLCOME & CO.,
LONDON, SYDNEY AND CAPE TOWN.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

Subscription Rates.
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12*s.* 6*d.*, franco.

Цѣна годового абонемента: Газета еженедѣльно и Дневникъ разъ въ годъ 12 шиллинга 6 пенсъ съ пересылкой.

Precio de suscricion annual: el periodico una vez por semana, y el agenda una vez por anno 12*s.* 6*d.*, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Wednesday, July 12.

British Pharmaceutical Conference, 17 Bloomsbury Square, London, W.C., at 11 A.M. Address by the President, Dr. David Hooper.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 3.30 P.M. Mr. W Kirkby on "The Development of an Uplifting Policy in Pharmacy."

Sheffield Panel Chemists.—A meeting will be held in the Literary and Philosophical Society's Rooms, Church Street, at 9 P.M., to receive the report and balance sheet of the Pharmaceutical Committee and to discuss Insurance matters.

NATIONAL ASSOCIATION OF OPTICIANS.—The annual meeting will be held at the Albion Hotel, Piccadilly, Manchester, on July 19, at 2 P.M. Mr. T. S. Baird, Glasgow, will deliver a lantern-lecture at 4.30 P.M. on "Microscopic Structure of the Cornea, etc."

VETERINARY CHEMIST is a title which every registered chemist and druggist may use. It means that the chemist may sell remedies for cattle, horses, pigs, sheep, goats, dogs, cats, poultry, or other domestic animals. "Veterinary Counter-Practice" is a treatise on the diseases of animals and the most suitable remedies for them. It is published by the *C. & D.*, and a new edition (the seventh) is ready. It contains nearly 450 pages and costs 4*s.* 6*d.*, or by post 4*s.* 11*d.* Get a copy now from your wholesale house, or from 42 Cannon Street, London, E.C.

European War News.

Enemy Business to be Wound Up.

By Order of the Board of Trade (gazetted, July 4): Globe Polish Co., Ltd., Pinchen's Wharf, Stratford, London, E., manufacturers of polish. *Controller*: W. G. Jefferys, 66 Coleman Street, London, E.C.

Contraband Goods.

A Supplement to the "London Gazette," June 27, is devoted to particulars of goods which have been seized under the Customs law as being of suspected enemy origin. From this we have compiled a list of articles that come under the chemical- and drug-trades and append as much of it as we can. The first word describes the contents of each parcel seized, then we mention the person purporting to be the consignor of the goods, which is followed (in most cases) by the addresses of the consignees:

Aniline Colours.—E. Stephensens (Copenhagen), I. Canca & Co. (Medellin, Colorado).

Aspirin Tablets, etc.—A. E. Melster (Rotterdam), Fedeo Bayer & Co. (Santiago), F. Wiss (San Jose), E. D. Laroque & Co. (Guatemala), C. ñeis & Co. (Lima), and F. Greco (Montevideo).

Chemicals.—Seven consignments by M. Koppel (Copenhagen), A. E. Melster (Rotterdam), and L. & R. Philip (Goteborg) to South American firms.

Cyan. Silver.—C. Lassens (Copenhagen), Uhlmann & Co. (Buenos Aires).

Drugs.—Six consignments by L. V. Andersens and Emil Stephensens (Copenhagen) to South American firms.

Eau de Cologne.—Wessor (Copenhagen). Consul Luise (Caldera, Chile).

Essences.—Nine consignments by Adams Express, M. Koppel, M. Ronter, Wessoe, and L. V. Andersens (Copenhagen) to South American firms.

(*To be continued.*)

Miscellaneous.

SWEDEN.—From July 1 bicarbonate of soda is added to the list of goods which are prohibited for exportation from and transit through Sweden.

RUSSIA ADMITS WITHOUT CUSTOMS-DUTY imports of preserved foods, non-liquid medicines, optical, mathematical, and surgical instruments, among other things.

PRIVATE ARTHUR G. BOOTHMAN, of the 3rd Battalion Worcestershire Regiment, formerly assistant to Mr. Dan Dawson, chemist and druggist, Blackburn, has been awarded the Distinguished Conduct Medal for conspicuous gallantry and courage.

SALVARSAN PATENTS.—Evans Sons Lescher & Webb, Ltd., Liverpool, who applied for the suspension of the salvarsan and neo-salvarsan trade-marks and for licences to use the patents (see *C. & D.*, June 24, p. 35), have received an intimation that the Board of Trade has decided to grant the application.

CAPTAIN REGINALD S. TOWNSEND, M.B., Indian Medical Service, is receiving the Military Cross. He is the fourth son of the late James Townsend, and brother of the present proprietors of James Townsend & Sons, chemists' printers, Exeter and London. Captain Townsend has had considerable service in the East African campaign, being one of those who took part in the operations at Tanga in November 1914.

V.T.C.—D Company of the Holborn Battalion provides a good opportunity for men connected with the drug-business. It comprises about 200 men of the professional and merchant classes, and one of them tells us that the social advantages are a recompense for the necessary training incurred. Inquirers may write to Mr. Rhodes, Commander of D Company, Holborn Battalion, 5 Verulam Buildings, Gray's Inn, London, E.C.

PLUCKY PESTLEITES.—Mr. Francis D. Phillips, chemist and druggist, 17 Market Street, Haverfordwest, had five assistants and apprentices in that pharmacy and the Castle Square one when war broke out. They all joined the Army—viz., C.Q.M.S. W. T. Davies, 1/4th Welsh; Private Cyril Harries, R.A.M.C.; Private D. J. Evans, Pioneer Battalion Welsh Regiment; Private D. L. Burry, reservist; Private Thos. Watts. Now their successors in the shops are joining.

Military Tribunals' Decisions.

The following are further cases of trade interest which have been reported to us since our last issue:

AXBRIDGE.—Mr. A. L. Robertson, chemist and druggist, was granted conditional exemption.

BRISTOL.—Dr. E. B. Ludlam, acting head of the Chemical Department of Clifton College, appealed for total exemption on account of conscientious objections to military service. He would not object to make drugs he said.

CAMBRIDGE.—Exemption was refused to Mr. Gordon N Pain, Ph.C. partner with Mr. A. Deck, chemist and druggist, 9 King's Parade.

CANTERBURY.—Conditional exemption was granted to Mr. W. A. Johnson, with E. Bing & Son, manufacturing chemists, and to Mr. R. W. Bolton, chemist and druggist, with Walker & Harris, Ltd., 61A Northgate Street.

CHATHAM.—Mr. J. P. Wheeler, chemist and druggist, High Street, has obtained conditional exemption.

CHESHUNT.—Conditional exemption was granted to Mr. F. James, Ph.C., High Street.

COWES.—Mr. F. D. Coghlan, chemist and druggist, with the Timothy White Co., Ltd., was granted conditional exemption.

DARTFORD.—Mr. F. C. Starnes, a chemist with Burroughs Wellcome & Co., was granted two weeks' exemption. His badge had been withdrawn.

DUNDEE.—On June 29, Lieutenant Hynd said that, in view of the publicity given to what he had said about the chemists (*C. & D.*, July 1, p. 34), he wished to intimate that he had been furnished, through the Insurance Committee, with a memorandum on the position of the chemists' shops. It was complete, and would assist in guiding the Tribunal with regard to appeals.

ENFIELD.—As the owner of a one-man business, Mr. W. D. Pierce, chemist and druggist, was granted conditional exemption.

FAVERSHAM.—Conditional exemption has been given to Mr. Edgar Withers, chemist and druggist, and Mr. T. J. Thomas, chemist and druggist.

FOLKESTONE.—Conditional exemption was granted to Mr. C. J. Hughes, assistant with Hall & King.

GORING.—Mr. B. J. King, chemist and druggist, was granted conditional exemption

GREENSTREET (KENT).—Mr. H. A. J. Peasnall, chemist and druggist, manager for Mr. R. G. Eacott, chemist and druggist, was given conditional exemption.

ILMINSTER.—At the Somerset Appeal Tribunal on June 24, exemption was refused to Mr. H. J. Parsons, chemist and druggist, who was not recommended for exemption by the Joint Committee on the Recruiting of Chemists.

LONDON.—At the City of London Tribunal, application was made for the exemption of Mr. A. R. Lewis, chemist and druggist, a director of G. Whelpton & Son, Ltd. There are two directors, but the other one, who is fifty years of age, has no knowledge of the business. The Chairman said the business is not one of importance to the country, but the Tribunal granted two months' exemption.

MALVERN LINK.—Conditional exemption was granted to Mr. C. H. Derbyshire, Ph.C., Victoria Pharmacy.

MERTHYR TYDFIL.—Exemption was granted to Mr. C. G. Wills, dispenser to his father, Mr. V. A. Wills, chemist and druggist, and to Mr. Ivor Bowen, manager for Boots, Ltd.

NUNEATON.—Conditional exemption was granted to Hilary Evans, assistant with H. Lester & Son. He has six brothers in the Army.

OUNDLE.—Mr. S. H. Page, chemist and druggist, who has recently bought the business of Mr. H. E. Roper, applied for exemption. The application was adjourned for inquiries to be made.

PONTEFRACT.—Mr. R. Ramsden, chemist and druggist, was granted conditional exemption.

REDHILL.—Exemption until September 1 was granted to Mr. S. J. Lisney, chemist and druggist, Garlands Road.

SOUTHWARK.—Mr. T. C. Davis, manager for Stevens & Co., Ltd., chemists, 97 Borough High Street, S.E., applied for the exemption of an Insurance dispenser. A month's extension was granted to enable the Military Representative to make inquiries.—Rogers & Co., manufacturers of surgical-instrument cases, 16 Carter Street, Walworth, S.E., obtained three months' exemption for a wood-machinist engaged on making a particular class of case for which the firm has just received a Government order for 400 gross.—Mr. Richard Banbury, chemist and druggist, 390 Walworth Road, S.E., applied for the exemption of his eighteen-year-old son, who is his apprentice. His two brothers are on active service. Three months' exemption was granted.

TONBRIDGE.—Conditional exemption was granted to Mr. T. J. Clarke, chemist and druggist (Wardley & Clarke), 140 High Street.—Two months' exemption was granted to Mr. E. S. Upton, chemist and druggist (Beckett & Upton), 3 Quarry Hill Road.

WESTON-SUPER-MARE.—Exemption until September 14 was granted to Mr. A. S. Griffin, chemist and druggist, Church Road Pharmacy, and to Mr. S. G. Tydeman, chemist and druggist, Albert Terrace.

WOKING.—The appeal for exemption of Mr. W. T. Grout, with Mr. J. Wearing, chemist and druggist, was adjourned to allow of a consideration of the case by the Insurance Commissioners.

WORCESTER.—Exemption was granted to Mr. T. W. Lunn, chemist and druggist.

July Retail Prices.

MR. HENRY H. MARSHALL (128 Alcester Road, Moseley, Birmingham), Hon. Secretary of the Birmingham Pharmaceutical Association Minimum Prices Committee, issued last week the revised list of minimum prices of drugs and proprietary articles. The following are the articles which are changed or were added on July 1, prices for 1 oz., 2 oz., 4 oz., 8 oz., and 1 lb. being given:

Drugs.—Acetic, B.P., acetic (glacial), boracic, and oxalic acids.
Borax (laundry and B.P.).
Bromide, ammonium, potassium, or sodium.
Camphor, ¼-oz., 1-oz., 2-oz., or 4-oz. tablets.
Ointments, boracic, gall, and zinc.
Senna-pods, Alexandrian, do. (picked), and Tinnevelly.
Senna, confection.
Sugar of milk.
Tincture benzoin, compound.
Turpentine.

Proprietaries.—Allenbury's liquid beef; Colgate's perfumes; Frame food; Pinaud's pomade hongroise (tubes and pots); Pond's cream (pots and tubes); Potter & Moore's lavender-water; Sanitas fluid; Tidman's sea-salt; vaseline, yellow (blue and red seals), white (blue and green seals), capsicum, etc. (tubes); vaseline camphor-ice, hair-tonic, and pomade; Vinolia cream Royal and lavender-water Royal; Vitafer.

A copy of the list can be obtained by sending Mr. Marshall a stamped and addressed envelope.

The Civil Service Supply Association intimate the following changes and new prices:

Acid, acetic (Coutt's), bott. 1*s.* 5*d.*, 2*s.* 4*d.*
Acid, tartaric, best English, lb. 3*s.* 9*d.*
Ammonia, carbonate, lb. 10*d.*
Carbolacene, qt. 1*s.*, gal. 3*s.* 1*d.*
Chloride of lime (Smith's), 1-lb. tin 5½*d.*
Citrate of iron and quinine (Howards'), bot. ½-oz. 10½*d.*, oz. 1*s.* 8*d.*
Cream of tartar, ¼ lb. 8½*d.*, lb. 2*s.* 8*d.*
Essences, ginger, bot. 2-oz. 11½*d.*, 4-oz. 1*s.* 10*d.*
Gargle, astringent and antiseptic (C.S.S.A.), 6-oz. bot. 7*d.*
Hot-water Bottles.—6 in. by 12 in., 3*s.* 6*d.*, covers, 9½*d.*; 7 in. by 10 in., 3*s.* 6*d.*, covers, 9*d.*; 8 in. by 12 in., 4*s.* 6*d.*, covers, 11*d.*; 8 in. by 14 in., 5*s.*, covers, 1*s.* 1*d.*; 9 in. by 12 in., 4*s.* 10*d.*, covers, 1*s.*; 10 in. by 12 in., 5*s.* 3*d.*, covers, 1*s.* 1*d.*; 10 in. by 14 in., 5*s.* 7*d.*, covers, 1*s.* 3*d.*; 10 in. by 16 in., 6*s.* 6*d.*, covers, 1*s.* 5*d.*; 12 in. by 16 in., 7*s.*, covers, 1*s.* 7*d.*
Lime-water, bot., qt. 9*d.*, gallon jar 2*s.* 6*d.*
Logwood-chips, lb. 7*d.*
Magnesia, calcined, bot. 4½*d.*
Magnesia, heavy carbonate of, ½-lb. pkt. 5*d.*
Malt extract with cod-liver oil, jar, 1 lb. 1*s.* 3*d.*, 2 lb. 2*s.* 3*d.*, 4 lb. 4*s.* 4*d.*, 7 lb. 6*s.* 9*d.*
Naphthaline, flake, 1-lb. tin 1*s.* 2*d.*
Oil, citronella, bot. 8*d.*, 1*s.* 3*d.*; coconut, ½-lb. tin 10*d.*; cod-liver, bot., 8-oz. 2*s.*, 16-oz. 3*s.* 8*d.*, 32-oz. 6*s.* 11*d.*, gal. (including jar), 31*s.* 6*d.*; olive, pure medicinal, bot., 8-oz. 1*s.* 0½*d.*, 16-oz. 1*s.* 11*d.*
Ointment, boric, 2-oz. pot 6*d.*, ½-lb. tin 11*d.*, lb. tin 1*s.* 7*d.*, tube 3*d.*, doz. 2*s.* 9*d.*; Cuticura, pot 2*s.* 7*d.*
Potash permanganate, 1-oz. 1*s.*, 2-oz. 1*s.* 11*d.*, 4-oz. 3*s.* 8*d.*
Potassium, bromide, 2 oz. 3*s.* 9*d.*, 4 oz. 7*s.* 3*d.*
Powders.—Effervescent Carlsbad (C.S.S.A.), bot. 10*d.*, 1*s.* 4*d.*, 2*s.* 5*d.*; Gregory's, bot. 10½*d.*; liquorice (comp.), bot., 4-oz. 6½*d.*; seidlitz, ordinary, box 1*s.*, extra strong 1*s.* 6*d.*; seltzogene, box of 12 charges, 3-pt. 3*s.* 7*d.*, 5-pt. 4*s.* 6*d.*, 8-pt. 6*s.* 11*d.*
Pumice-stone, piece, 3½*d.*, 5*d.*
Quassia-chips, lb. 6*d.*, 7 lb. 3*s.* 4*d.*
Quinine, dissolved (C.S.S.A.), bot. 5*d.*, 9*d.*
Quinine-and-iron tonic, bot. 9½*d.*, 1*s.* 6*d.*
Quinine, with genuine wine, 16-oz. bot. 1*s.* 8*d.*
Saccharin, soluble, 1-oz. bot. 8*s.* 2*d.*
Salts of lemon, pkt. 4½*d.*, 112 lb. 12*s.*
Senna, confection of, jar 6*d.*
Senna, powdered (Alexandrian), ¼ lb. 7*d.*
Senna-pods, Alexandrian, oz. 4*d.*, 2 oz. 7*d.*, lb. 4*s.* 3*d.*
Spirits.—Lavender, bot. 4-oz. 1*s.* 9*d.*; methylated, qt. glass 2*s.* 2*d.* qt. stone 2*s.* 3*d.*, gal. jar 7*s.* 6*d.* *plus* 10*d.* for jar, 2-gal. tin 14*s.* 8*d.* *plus* 2*s.* 5*d.* for tin, 4-gal. tin 29*s.* *plus* 4*s.* for tin; nitre, bot. 2-oz. 10*d.*, 4-oz. 1*s.* 6*d.*; of sal volatile, bot. 2-oz. 9*d.*, 4-oz. 1*s.* 3*d.*
Sugar of milk, lb. 1*s.* 9*d.*
Sulphur, precipitated, lb. 9*d.*
Tablets.—Aperient (C.S.S.A.).—For adults, bot. 25 9½*d.*; 100 2*s.* 10*d.*; for children, bot. 25 7*d.*, 100 1*s.* 9*d.*; aspirin, 5-gr. (C.S.S.A.), bot. 25 1*s.* 9*d.*, 100 6*s.*; formamine, 5-gr., bot. 100 1*s.* 4*d.*; phenazone, bot. 50 4*s.* 9*d.*, 100 9*s.* 1*d.*; saccharin, ½-gr., bot. of 100 1*s.* 2*d.*, 500 5*s.* 4*d.*
Tinctures.—Bark, bot. 4-oz. 1*s.* 4*d.*; benzoin, simp., bot. 1-oz. 6*d.*, 2-oz. 10½*d.*; gentian, comp., bot. 4-oz. 1*s.* 1*d.*; myrrh, bot. 2-oz. 11½*d.*, 4-oz. 1*s.* 10*d.*; orange-peel, bot. 4-oz. 1*s.* 7*d.*; quinine, bot. 4-oz. 2*s.* 5*d.*; quinine ammoniated, bot. 2-oz. 10½*d.*, 4-oz. 1*s.* 7*d.*; quinine and cinnamon, ammoniated, bot. 4-oz. 1*s.* 8*d.*; rhubarb, bot. 4-oz. 1*s.* 1*d.*
Vaseline.—Borated, tube 1*s.* 1*d.*; camphorated, tube, 1*s.* 1*d.*; carbolated, tube 1*s.* 1*d.*; pure, 1-lb. tin 1*s.* 1*d.*, tube 4½*d.*; pure white, tube 4½*d.*, bot. 5*d.* and 7*d.*, 1-lb. tin 1*s.* 9*d.*; veterinary, 1-lb. tin 9*d.*; hair-tonic, bot. 11½*d.* and 1*s.* 11*d.*

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Volunteer Training Corps.

An influential meeting of the Central London Volunteer Regiment, at which the Pharmacists' Corps was officially represented, was held at the Guildhall on June 30. The chair was taken by the Lord Mayor. The speakers were Lord Desborough, Major-General Sir Francis Lloyd, Major-General Dickie, Brigadier-General the Hon. F. C. Bridgeman (Colonel-in-Chief of the Regiment), Sir Arthur Pinero, and Sir Frank Benson. The regiment consists of four battalions—the United Arts (of which Lord Desborough is the President), the Inns of Court, the Old Boys' Corps, and the London Volunteer Rifles—with the Pharmacists' as the Regimental Sanitary Company. In the course of the speeches it was pointed out that a great many recruits are required, as it will take three or four business-men to keep going the job of one soldier released from active service; that in practically no other walk in life is a man too old at forty, and that many V.T.C. men are fifty, sixty, and even seventy years of age. The work of the regiment was briefly reviewed, especially in its purely military training as a force for home defence, the necessity of the work in trench-making for the London defences, and the duties undertaken in guarding lines of communication, railway stations, and in connection with the Flying Corps, the London Fire-brigade, the Red Cross, the meeting of the active-serviced men on leave, etc. It was pointed out by Sir Arthur Pinero that this is the only occasion when the men of this country have had the opportunity of enlisting as Volunteers while a war is actually in progress and while the country is threatened with actual raids by air, sea, and land. General Bridgeman touched on the duty of every citizen to fit himself at least as a defensive unit of the nation. Sir Frank Benson, in lighter vein, described the training of the "awkward squad" at Earl's Court. There is still room, we are informed, in the Pharmacists' Corps for recruits, who may join at the drill-ground at Millbank Council Schools, London, S.W., on Sunday mornings at ten o'clock.

Birmingham.

The bottle and jar collections referred to in this column recently have been a huge success.

The introduction of the ticket system (otherwise the cash-register) in chemists' shops is spreading in this part of the world.

"Sixpence per lb. is being offered for meadow saffron, which is a dangerous weed in fields and pastures where it is all abundant," says a local letter-writer.

The surgical-instrument makers of this city are very busy making such apparatus as artificial legs, hands, and arms, and those displayed in the windows are a marvel of good workmanship.

Mr. H. T. Hall, dispensing chemist, Selby Park, Birmingham, has passed the First M.B., Ch.B. examination of the University of Birmingham. His brother (Mr. H. W. A. Hall) passed the Third M.B., Ch.B. examination at the same time.

The Birmingham Branch of the National Committee for Relief in Belgium, of which Alderman F. C. Clayton, Ph.C., is Chairman, has collected a large sum of money, and among the contributors are Southall Bros. & Barclay, 52*l.* 10*s.*; Mr. W. A. Cadbury, 100*l.*; Mr. Jeffrey Poole, 10*l.*; Albright & Wilson, Ltd., 50*l.*; and the Midland Vinegar Co., 21*l.*

Leeds.

Trade generally is slacking off a little in Leeds and district.

Many pharmacists in the suburbs now close an hour or an hour and a quarter for dinner, and find that this causes no inconvenience.

All the Leeds pharmacists engaged on Insurance dispensing, with one exception, have been granted another three months' exemption from military service.

Liverpool.

Mr. Humphreys Jones will extend to the Pharmaceutical Conference next week an invitation to visit Liverpool in 1917.

The Royal Agricultural Show at Manchester filled the leading Liverpool hotel, bathrooms having to be used as bedrooms for guests. Lime Street pharmacists reaped some of the harvest.

Consequent on the *C. & D.* note last week, Sir Edward Evans has received congratulatory messages from all parts of the United Kingdom, and, doubtless, greetings from the Colonies will follow in course of post.

The calling to the R.A.M.S. in August of all the medical men up to forty years of age is exciting as much attention in pharmaceutical as in medical circles. Several prescribing centres will be considerably disturbed by the amalgamations of practice.

A golf-match, eight a side—the teams necessarily being limited, owing to the war-cloud—is arranged to take place on Wednesday next week over the Chester Club's links, the players representing Liverpool and Birkenhead pharmacists respectively, the captains being Mr. Wm. P. Evans and Mr. Cooling.

The "combing-out" by the War Office representative (a medical man) of young men in the wholesale trade appears to have been conducted with great discretion and regard for the filling of Government pharmaceutical contracts. Few streets and professions are proportionately as strongly represented in the Army as Hanover Street and pharmacy.

Coloured labour from the United States, Jamaica, and other distant parts is being steadily drafted to Liverpool and Birkenhead to fill vacancies at or near to the docks. The coloured men resort, in growing numbers, to the pharmacies on pay-days for small bottles of perfume or for a pungent spray on their handkerchiefs. They form quite a new class of customer.

Sheffield.

There is likely to be a general curtailment of holidays in Sheffield through the shortage of assistants. A few days will have to be taken as opportunity presents itself, instead of the usual summer holidays.

The Sheffield University Court of Governors met on July 1 to adopt new ordinances relating to the granting of a diploma in glass technology. The first examination will include chemistry, glass technology, physics, and mathematics; the second will include practical glass technology, etc. 2,000*l.* has been granted from the two Glass Associations in the county.

Another remedial institution was opened in Sheffield by the Duchess of Norfolk—the King Edward VII. Hospital for Crippled Children, provided at a cost of 43,000*l.* The number of beds is 130, and in it are a modern operation-theatre and an *x*-ray room. It is the second hospital in England to adopt the conservative method of treatment. The institution is not a home for those who can never get well.

Drug and Kindred Contracts.

LONDON COUNTY COUNCIL.—The Contracts Committee reports acceptance of tenders for *drugs* as follows: May & Baker, Ltd., 601*l.* 5*s.*; Willows, Francis, Butler & Thompson, Ltd., 90*l.* 5*s.* 9*d.*; Corbyn, Stacey & Co., 30*l.* 18*s.* 10*d.*; Baiss Bros. & Stevenson, Ltd., 238*l.* 6*s.* 8*d.*; Burgoyne, Burbidges & Co., Ltd., 319*l.* 11*s.* 5*d.*; and Thos. Hodgkinson, Prestons & King, 356*l.* 4*s.* 3*d.* For *druggists' sundries*, S. Maw, Son & Sons, 81*l.* 19*s.* *Bandages and dressings*, Carnegie Bros., 185*l.* 12*s.* 6*d.*; Robinson & Sons, Ltd., 13*l.* 10*s.*; Arthur Berton, Ltd., 45*l.* 12*s.* 4*d.*; and J. F. Macfarlan & Co., 87*l.* 10*s.* 1*d.*

The Boards of Guardians of the denoted places have decided the contracts mentioned in the following paragraphs:

Belport.—Drugs, H. Calvert & Sons.

Bolton.—Drugs, druggists' sundries, etc., Waller & Riley, Ltd.; disinfectant-fluid, Wm. Hartley & Sons, Farnworth.

Brighton.—Drugs and druggists' sundries, Corbyn, Stacey & Co., Ltd.

Chester.—Drugs, Cheers & Hopley, 17*l.* 19*s.* 4*d.*

Derby.—Drugs, R. Daniel & Son.

Eastry.—Chemists' sundries, Mr. A. E. Woodruff.

Hull.—Mr. H. Leggott, drugs to the Cottingham Tuberculosis Sanatorium. Mr. T. W. Robinson, drugs to the City Asylum. Both contracts are for six months.

Lambeth.—Drugs, The British Drug Houses, Ltd. Druggists' sundries, S. Maw, Son & Sons. (Existing contracts renewed for three months.) Dispensing.—On July 5 the Relief Committee reported that Mr. Dan Davies, chemist and druggist, 324 Coldharbour Lane, Brixton, S.W., had written on behalf of eighteen pharmacists now dispensing the Guardians' prescriptions, stating that they had decided to carry on the dispensing according to the 1916 Insurance Tariff until the war is over. The Local Government Board approved of the arrangements for dispensing by local chemists in four out-relief districts.

Lincoln.—Drugs, Mr. Hill.

Liverpool City Council.—R. Sumner & Co., Ltd., drugs for three months to the city hospitals: Evans Sons Lescher & Webb, Ltd., and the Northern Rubber Co., Ltd., druggists' sundries for three months.

Nuneaton.—Chemists' goods, Mr. G. Davison.

Orsett.—Drugs, Jordan Bros., Grays.

Romsey.—Drugs and surgical dressings, Mr. F. Oram.

Strood.—Surgical dressings, Burgoyne, Burbidges & Co., Ltd.

Thanet.—Disinfectants, Mr. W. Howard, Ramsgate.

Watford.—Messrs. Chater, drugs (120*l.* 7*s.* 2*d.*); W. H. Bailey & Sons, surgical appliances (57*l.* 11*s.* 8*d.*).

West Bromwich.—Drugs, etc., Burgoyne, Burbidges & Co., Ltd.

Suspected Poisoning Case.

An inquest was held at Hapton, near Burnley, on June 29, regarding the death of Dr. J. R. Shotton, a Hapton medical man. The evidence showed that when he called at the Griffin's Head Hotel, Huncoat, he complained of being ill, and stated that he had been given strychnine in mistake for morphine. After receiving an emetic of mustard and water the doctor collapsed and died in five minutes. Dr. Joynson, police surgeon, said no analysis had been made of the contents of the stomach, but the bottle from which deceased is supposed to have drunk was found to contain strychnine. Mr. William Taylor, chemist and druggist, 61 Burnley Road, Padiham, said deceased called at his shop and asked for a bottle of lysol and ½ lb. of solution of strychnine. Witness supplied the latter unlabelled as the doctor said he was in a hurry. He believed that deceased intended to ask for solution of morphine, but by a lapse of memory asked for strychnine. Witness regretted he did not label the bottle, but it was not the first time the doctor had taken unlabelled bottles from the shop. Mrs. Shotton, the widow, said that Mr. Taylor gave her to understand that he had made a mistake in supplying strychnine instead of morphine. The conversation took place before two other persons. Mr Taylor, recalled, denied that he made any such admission. The inquest was adjourned until July 20 to enable an analysis of the stomach to be made.

Miscellaneous.

CHESTER CHEMISTS' SHOPS are to have a closing-order, fixing 9 P.M. as the closing-hour, except on Wednesday (1 P.M.) and Saturday (10 P.M.).

CLOSING-ORDER SUSPENDED.—At the request of the chemists of the town, half-day closing at Shanklin has been suspended from July 26 to September 20.

LABORATORY ACCIDENT.—Mr. T. Pierce was on July 3 severely injured by burns, owing to an accident in the laboratory of Boots, Ltd., Island Street.

AGRI-HORTICULTURAL POISONS.—The Dover Town Council have, by nine votes to one, granted a licence to G. & A. Clark, Ltd., florists (see *C. & D.*, July 1, p. 36).

CONSUMPTIVES' REQUIREMENTS.—Salford Town Council is to pay an increased price for the supply of cod-liver-oil emulsion and extract of malt by Insurance chemists.

MERELY MIXED!—"Before the war, belladonna was 21*s.* an ounce; now it is quoted at 28*s.* for one-eighth of an ounce." So somebody told a London evening paper.

PHARMACY CLASSES are to be started at the Newport (Mon.) Technical Institute specially for girls to take up dispensing. Chemistry, materia medica, and pharmacy are to be taught.

THE ROYAL AGRICULTURAL SHOW AT MANCHESTER formed a gathering-ground for many Lancashire pharmacists, especially those of Liverpool, the Manchester district, and Warrington.

ALDERMAN WOOLLEY WALDEN, Chairman of the Water Examination Committee of the Metropolitan Water Board, declares that, everything considered, the domestic water-supply of London is the purest in the world. Being a pharmacist, the Alderman is a good judge.

THE SOUTH WALES UCAL LODGE OF PHARMACY met at the King's Head Hotel, Newport, on July 6, Mr. W. J. Allen (Barry) presiding. Mr. Hugo Wolff, Secretary of the Middlesex Insurance Committee, gave a practical, timely, and interesting address on "How to Make Pharmacy a Profitable Profession."

THE RHYL ADVERTISING ASSOCIATION is very successful, thanks in part to the fact that a chemist and druggist (Mr. Percy J. Ashfield) is Chairman of Committees. We daresay he will tell any pharmacist who desires to promote the interests of his town how to do it. "Another such as he cannot be found," is Rhyl's verdict on Mr. Ashfield.

INDUSTRIAL CHEMISTRY SCHOLARSHIPS.—Three scholarships, of the approximate value of 50*l.* each, are offered by the Common Cause, 14 Great Smith Street, London, S.W., to women who wish to qualify to take positions as industrial chemists. Applicants should have a science degree or its equivalent, and should send full particulars to the Scholarship Secretary at the above address before July 17.

GERMAN NITROGEN-INDUSTRY.—The "Chemical News" of June 23 contained a "Frankfurter Handelsblatt" article on the German nitrogen-industry and the future of German agriculture, sent to it by Mr. D. Milne Watson, Chairman of the Sulphate of Ammonia Association. It is an excellent German account of the manner in which the Badische Anilin- und Soda-Fabrik has by Haber's process increased its production of artificial nitrates from 30,000 tons in 1913 to 300,000 tons in 1916.

POISONINGS.—At the resumed inquest on a Walton woman whose death was found to be through morphine (see *C. & D.*, July 1, p. 36) the jury returned a verdict of "Wilful murder" against a doctor's dispenser named Farrow. Morphine also caused the death at Shorncliffe of Corporal Henry Allen, a Canadian. At Dover a man named Thomas Smith mistook a bottle of carbolic acid for beer with fatal result. A farmer at Drumbrack, Dronmore, died from strychnine poisoning. Mr. James Dale, Ph.C., at the inquest said deceased obtained strychnine from him for poisoning rats. An open verdict was returned.

DOCTORS CHARGED.—At the North London Police Court on July 4, Henry Percy Jelley (50), registered medical practitioner, was charged, on remand, with the murder of Mrs. E. C. March by performing an illegal operation. Three other charges of performing illegal operations were now preferred against the prisoner, who was remanded.—At Old Street Police Court, London, on July 4, Andrew Allen (51), medical practitioner, St. George's Road, Southwark, was charged with stealing and receiving two wooden cases containing ten tins of theobromine, valued at 280*l.*, the property of Mr. C. A. Wells, Union Street, Old Broad Street, E.C. Sergeant Courtney, in evidence, stated that when he called on the defendant he admitted having sold ten tins of the theobromine to a firm in Fenchurch Street, also that he received them from a man named Kitchener, to whom he paid 70*l.* on account. The prisoner was remanded on bail of 250*l.*

LONDON POSTAL DELIVERIES.—On and after July 10 there must be earlier posting of letters to be delivered in London on the same day. The Post Office notifies that the last delivery in the town districts of London will take place between 7.30 and 8 P.M. The last collection, hitherto made at about midnight, will be from half an hour to an hour earlier. The last hour for posting for delivery the same evening in the same town district will be 5.30 P.M., except at G.P.O. and head district and certain other offices. The last hour for posting for delivery in other town districts will be 4 P.M. to 4.45 P.M., except at the G.P.O., where it will be 5.30 P.M., and the head district offices, where it will be 5 P.M. The last hour of posting for the last delivery in London sub-districts will be 2 P.M. to 3 P.M., except at the G.P.O., where it will be 3.30 P.M., and the head district offices, where it will be 3 P.M.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Sir Charles A. Cameron, writing to the "Dublin Express," states that in view of the high price of certain chemicals and drugs it may be possible to obtain them from Italy. He refers to catalogues of chemical-makers which he has received showing that formalin tablets are obtainable cheaply in Milan.

The Medical Hall of Mr. J. W. McMurray, R.D., Kingscourt, was destroyed by fire last week. Smoke was observed by passers-by coming from the roof, but Mr. McMurray and his wife, who were in the shop, were unaware that anything was wrong. On Mr. McMurray opening a door of an upper room a strong blaze burst out which scorched him about the face and hands. A large number of people gathered on the scene and assisted in carrying out goods from the shop and in helping to extinguish the fire. In less than twenty minutes the roof fell in and all the woodwork was destroyed. The origin of the fire is unknown. Mr. McMurray is confined to his bed owing to the burns he received. Business is being carried on in temporary premises which were opened on July 3.

FINANCIAL FACILITIES AFTER THE WAR.—The Board of Trade has appointed a Committee, with Lord Faringdon as Chairman, to deal with this matter, particularly with reference to the financing of large overseas contracts. Mr. Hartley Withers will act as Secretary to the Committee.

LEAF TOBACCO.—The Board of Trade has made a special arrangement for the importation of this from the United States when it is intended to be manufactured for export, for ships' stores, or for troops abroad. Full particulars may be obtained from the Department of Import Restrictions, 22 Carlisle Place, London, S.W.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Society of Chemical Industry.

Dr. J. P. Longstaff, Chemistry Department, University of Edinburgh, as the Hon. Secretary and Treasurer of the Edinburgh and East of Scotland Section of the Society of Chemical Industry, has issued particulars regarding the annual general meeting to be held in Edinburgh on July 19, 20, and 21, under the presidency of Dr. Charles Carpenter. In addition to the usual business proceedings, congresses will be held on July 19 and 20 in the Hall of the University Union, Teviot Place. Among the matters to be dealt with are three papers on fine chemicals, Mr. D. B. Dott communicating "Notes on the Production of Alkaloids as Affected by the War," Mr. F. H. Carr a paper on "The Manufacture of Synthetic Organic Drugs as Affected by the War," and Messrs. C. A. Hill and T. D. Morson one on "The Manufacture of Fine Chemicals in Relation to British Chemical-industry." Fuel, shale oil, tar-distilling, dyes, paper-making, patent law, glass, porcelain, and rare earths also come into the congresses. The arrangements made by the Executive Committee comprise several social events as well as an exhibition of British-made dyes, glass, and porcelain, and excursions to the Pumpherston Oil Co., Ltd., Midcalder, the Inveresk Paper Co., Ltd., Musselburgh, and McVitie & Price, biscuit-makers. Owing to the present war conditions only those ladies who are members of the Society are invited to be present.

Dundee.

Some valuable cattle have died at Crieff from poisoning by arsenic, according to the Dundee public analyst.

Young women have acted as assistants in many chemists' shops in Dundee for some years, but now that all young men are joining the Army there has been a much greater demand for them. Hardie & Son are among those who have recently made the change. So Scott up to date now is—

O woman!
When pain and anguish wring the brow
At the dispensing counter now
A ministering angel thou.

At a meeting of the East of Scotland Beekeepers' Association held here recently, Mr. G. W. Avety warned dealers and the public against accepting as heather honey any dark-coloured variety. The sycamore honey is of this colour, but for delicacy of flavour does not approach the heather variety. Warning was also given against what is often sold as "Honey Dew," which is in reality a secretion of the green fly and other insects, and unfit for human consumption.

Edinburgh.

T. & H. Smith, Ltd., are making additions to Blandfield Works, Wheatfield Road, for storage and delivery.

Miss Annie R. Benzie, who took the *C. & D.* first analytical tournament prize last month, passed the Minor examination in Edinburgh this week.

The latest of many wonderful requests is tinct. quinin. ammon. for cleaning military buttons. The young lady who asked for this said that all her officer friends recommend it.

Patent-still distilleries of spirits are to be permitted by the Government to continue the manufacture of spirit for the trade, but it is estimated that only 50 per cent. of the normal requirements will be available.

A chemist who had the pleasure of contemplating some of the bottles, etc., collected by the Boy Scouts, says that there were many syphons gathered together in one corner of the hall. Whose property are those?

Glasgow and the West.

One effect of the Daylight Saving Bill is that many well-known Glasgow pharmacists are to be seen in the evenings playing "the canny game."

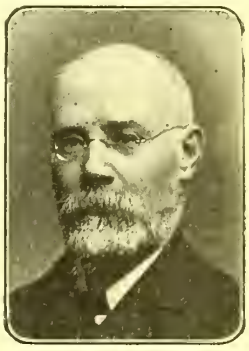
There are some very fine sponge windows in the city. A West Coast pharmacist states that he bought a large consignment from a German dealer. An inferior quality was supplied, and while negotiations were in progress the dealer was interned, and the chemist is now selling out his stock.

Chemists do not view with favour the collecting of medicine-bottles as an aid to charities. There are cases where chemists have handed a subscription to the funds, but declined to be the purchasers of old and often insanitary bottles. At all events, there is no scarcity, for many shops are piled with the usual heterogeneous collection of bottles never used.

The Dumbartonshire Herb-growing Association has decided to affiliate with the Herb-growing Association, London. The President is Mrs. Leslie Denny, Lyleston, Cardross, and the Hon. Secretary and Treasurer, Mr. J. Rennie, Wellcroft, Helensburgh. There is much enthusiasm throughout Scotland in regard to herb growing and collecting. Mr. R. Glode Guyer, Ph.C., Edinburgh, has taken keen interest in the matter.

The "Glasgow Evening News" has had some correspondence about the matter which we reported on July 1, p. 37. One writer says that his efforts to persuade people to purchase British goods instead of German have frequently met with failure. He gives an instance: "A lady went into a chemist's shop in the West End of Glasgow a short time ago and, after deploring the tragic death of Lord Kitchener, asked for a bottle of genuine German eau de Cologne, and she would have no substitute whatever. Are the public patriotic?" asks the writer.

The Council of the Glasgow and West of Scotland Chemists' Association (including Mr. J. P. Gilmour) was photographed as a group on June 27. Afterwards Mr. and Mrs. Gilmour and Miss Gilmour held an "At Home" at 165 Hill Street, members of the Council, the Committee of the Pharmacy Athletic Club, the Burgh Pharmaceutical Committee, the Pharmaceutical Standing Committee, and the North British Executive, with ladies, being present. After tea, Mr. Gilmour spoke happily, telling his guests that the distance between his friends in Scotland and him, when he takes up his work as editor of the "Pharmaceutical Journal," will not increase the distance in spirit between them and him. Mr. Rutherford Hill then initiated a series of oratorical tributes to the host, being followed by Messrs. W. L. Currie, Thomas Guthrie, A. McMillan, Geo. Mackay, J. B. McVitae, and A. B. Gilmour. Many nice things were said of the host's business, literary, and pharmaceutical qualifications, a vein of regret at the loss of his personal presence running through all. A high tribute to Mr. Gilmour was also paid by his friend Mr. Bowie, who alluded to the early days when Mr. Gilmour and he were members of a select Literary and Pharmaceutical Society. He was quite sure that Mr. Gilmour had at last found his proper sphere. To all this Mr. Gilmour briefly replied, after which a delightful musical entertainment was given by Miss Gilmour, Miss Reid, Miss W. Saunders, Mr. W. L. Currie, Mr. Dickson, and Mr. D. G. McKenzie, the host himself telling some good Irish anecdotes before "Auld Lang Syne" and "God Save the King" were sung.



Mr. J. P. Gilmour.

Colonial and Foreign News.

Tin is so scarce in Holland that collapsible tubes are not being made.

The Abuse of Alcohol. The Paris Academy of Medicine has drawn up the text of a notice to be issued to the Army, warning men against the abuse of alcohol. It deals with the popular and erroneous ideas that alcohol strengthens, warms, appetises, and helps digestion.

German Platinum-works.—According to the "Süd deutsche Apoth. Ztg." the first German platinum-works are operating with great success in Thuringia. The Thuringian iron ores appear to contain rather a large quantity of metallic platinum, and it is possible that within a short time the Thuringian mines will be able to furnish all the platinum that Germany requires.

Combating Lice.—According to Dr. N. H. Swellengrebel, Amsterdam, the composition of several proprietary articles intended to kill lice is as follows: "Texan" (officially recommended in Austria) is a powder consisting of Peru balsam, essential oils, and talc; "Globol" is *p*-dichlorbenzol; and "Lansofan" is a mixture of cyclohexanon and cyclohexanol. The investigator found that the most active agents, which are at the same time safe to use, for killing lice are a 3-per-cent. solution of creolin and a 30-per-cent. solution of anisol in spirit.

HAGEDA.—The "Handelsgesellschaft Deutscher Apotheker" has published its trade-report for 1915, which shows that the net profit amounts to 1,978,001.70m. The number of members is 4,040, an increase of 100 this year. It is proposed to pay 6 per cent. dividend on the capital, and 3 per cent. on the value of the articles that have been bought from the Hageda by the members. A sum of 80,000m. will be given for the support of the dependants of workmen, etc., who are in military service.

CHEMICAL DIVIDENDS.—Gehe & Co., Dresden, pay a dividend of 14 per cent. for 1915, against 12 per cent. in 1914.—The Chemische Fabrik in Billwarden vorm. Hell & Sthamer made a net profit of m.447,000 (m.449,000 in 1914), and pay a dividend of 9 per cent., against 10 per cent. in 1914.—Chemische Fabrik vorm. Goldenberg, Geromont & Co. in Winkel pay 20 per cent. for 1915, against 14 per cent. for 1914.—Heine & Co., Leipsic, pay a dividend of 8 per cent., against 10 per cent. in 1914.—The Verein für Chemische Industrie in Mainz pays 25 per cent., against 15 per cent. in 1915.

DRUG PRICES IN SWITZERLAND.—In consequence of the arbitrary raising of the prices of chemicals and drugs exported from Germany to neutral countries the Swiss Diet has ordered stocks in Switzerland to be declared, and has commandeered the supply of several important medicaments. The Volkswirtschaft Department has been authorised to take in hand the distribution of the supplies in the country. The Schweizerischer Apotheker Verein has published a supplement to the "Schweizerische Apotheker Zeitung" explaining the above decisions and the effect of allowing the supply of medicaments to remain with Germany. The average increase in price demanded is about 450 per cent., but in the case of bromides it is 1,640 per cent. To pay these exorbitant prices would be to cripple the medical service of the country. It takes three months to obtain the necessary licences to export from Germany. The new regulations regarding the distribution of chemicals and drugs in Switzerland concern 186 medicaments, and it is thought that it will be possible to fix reasonable prices for the supply of those of which there is sufficient stock in hand. Supplies are also to be obtained from other countries than Germany, and some of the medicaments will be made in Switzerland. The Schweizerischer Apotheker Verein urges import firms not to enter into negotiations for the supply of chemicals from Germany without previous consultation with the Volkswirtschaft Department.

Legal Reports.

"In Full Settlement" Means Nothing.—In the City of London Court, before Judge Rentoul, on July 4, the case of Lion *v.* Urding was heard. It was a claim for 1*l.* 7*s.* 2*d.*, balance of account for goods supplied. It was stated that defendants sent a cheque for 2*l.* "in full settlement." Plaintiffs refused to accept this in full settlement, and defendants took their stand on that. His Honour said if a man wrote a cheque "in full settlement" it meant nothing, and he gave judgment for the plaintiffs, with costs.

Goddard's Plate-powder.—The case against Miss Goddard (*C. & D.*, July 1, p. 38) again came before Mr. Justice Sargant, in the Chancery Division, on June 30. Mr. Romer, K.C., on behalf of Mr. J. W. Goddard, stated that he and Mr. Manning, who appeared with him, had considered the evidence, and had come to the conclusion that they could not ask the Court to deal with the matter upon motion. For Miss Goddard, Mr. Sheldon stated that he could offer no objection, adding that a motion ought never to have been brought in this case. It was unsatisfactory that the costs should have to be decided after the trial, but he could not ask his Lordship to hear the motion. The Judge made no order on the motion, except to reserve the costs till after the hearing of the action.

Slander Action.—At the Hampshire Assizes last week, Idris & Co., Ltd., were awarded 5*l.* damages against Mr. S. C. Moyle, chemist and druggist, Westbourne Arcade, Bournemouth, for slander. Up to 1909 defendant had dealt with the Idris Co. for table-waters in syphons, when the connection ceased. Early in the present year a question of empty syphons arose, and the Secretary (Mr. F. J. Coles) of the Hants, Wilts, and Dorset Mineral-water Manufacturers' Association called on Mr. Moyle, when the latter told him that the Idris Co. "are on their last legs, and the sooner they are insolvent the better." Defendant's version was that following an offer of 3*d.* each for syphons for which he had paid 2*s.* he said that "If the Idris Co. were on their last legs they could not treat me more unfairly." He admitted saying, "I will have nothing to do with dirty dogs."

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

NETHERLEE MANUFACTURING CO., LTD. (P.C.).—Capital 2,000*l.* Objects: To carry on the business of chemical and acid manufacturers. R.O., 107 West Regent Street, Glasgow.

DURHAM WHARF CHEMICAL-WORKS, LTD. (P.C.).—Capital 5,000*l.* The first directors are: G. M. Callender (Chairman), E. H. Frith, W. F. Lowndes, F. Lowndes, J. Rose, I. Jascourt, and H. H. Blackman.

HIRD, HASTIE & CO., LTD. (P.C.).—Capital 30,000*l.* Objects: To take over the business of Hird, Hastie & Co., of Kinning Park Oil and Varnish Works, Glasgow. The first directors are G. W. Hird, J. A. Hastie, and J. M. Wood.

PRECISION OPTICAL CO., LTD. (P.C.).—Capital 2,500*l.*, in 1*l.* shares. Objects: To carry on the business of opticians. G. H. Wingate and G. M. Wingate are joint permanent directors. R.O., Meadow Works, Pricklers Hill, New Barnet.

D. W. SLY & CO., LTD.—Capital 33,100*l.* Objects: To carry on the business of wholesale, retail, manufacturing and dispensing chemists and druggists, drug merchants, etc. The first directors are J. M. Bottomley, D. W. Sly, and W. Best. R.O., Balfour House, Finsbury Pavement, E.C.

E. BATTY & SONS, LTD. (P.C.).—Capital 2,000*l.* Objects: To carry on the business of mineral water, ice, sauce, and vinegar manufacturers as formerly carried on by E. Batty at Horncastle Street, Cleckheaton, Yorks. The first directors are E. Batty, H. Batty, and A. Batty.

HAMMOND JEFFERY & CO., LTD. (P.C.).—Capital 250*l.* Objects: To take over the business of Knoll & Co., Ltd., manufacturing chemists, etc., 8 Harp Lane, Lower Thames Street, E.C., with the assets belonging thereto and assigned by Knoll & Co., Ltd., to Hammond Jeffery under the Trading with the Enemy Amendment Act, 1916. The first directors are Hammond W. Jeffery and Fredk. W. L. Crepin. R.O., 8 Harp Lane, E.C.

CLEVELAND SOAP CO., LTD. (P.C.).—Capital 5,000*l.* Objects: To adopt an agreement with W. M. Richmond & Co., Ltd., and to carry on the business of manufacturers, etc., of soaps, dealers in fats, oils, etc., and pharmaceutical, manufacturing, and general chemists and druggists, makers of and dealers in proprietary articles, etc. The first directors are G. E. Woodman, E. de Penthewy-O'Kelly, P. C. Tarbutt, and E. W. Janson. R.O., 55 Broad Street Avenue, E.C.

COMPANIES WHICH MAY BE WOUND UP.—The undermentioned companies will, unless cause is shown to the contrary, be struck off the Register and the companies be dissolved after September 30: Arsenic of Spain Co., Ltd.; Druggists' Printing and Publishing Co., Ltd.; Green's Chemical Engineering Co., Ltd.; Hydra Combined Mineral Water Making, Bottling, and Syphon Filling Machines, Ltd.; Rational Remedies, Ltd.; Stuart & Co., Cash Chemists, Ltd.

Deed of Arrangement.

Vint, Thomas Dickinson, trading as the White Rock Pharmacy, 2 Palace Avenue, Hastings, Chemist and Druggist.—Trustee: P. S. Booth, 32 Kimberley House, Holborn Viaduct, London, E.C., accountant. Dated, June 22; filed, June 28. Liabilities unsecured, 378*l.*; estimated net assets, 300*l.* The creditors include: Evans Sons Lescher & Webb, Ltd. (35*l.*); Cook & Co., Ltd. (11*l.*); Breidenbach & Co. (4*l.*); D. & W. Gibbs, Ltd. (3*l.*); Ford, Shapland & Co. (3*l.*); Meggeson & Co., Ltd. (15*l.*); A. Wander, Ltd. (4*l.*); Harker, Stagg & Morgan, Ltd. (26*l.*); Burge, Warren & Ridgley, Ltd. (3*l.*); George Phillips & Co. (3*l.*); May, Roberts & Co., Ltd. (9*l.*); Titterton & Howard (5*l.*); William Edwards & Son (5*l.*); W. Toogood, Ltd. (9*l.*); J. C. Gambles & Co., Ltd. (5*l.*); Cresswell Bros., Ltd. (8*l.*); F. Newbery & Sons, Ltd. (5*l.*); J. Bell, Hills & Lucas, Ltd. (3*l.*).

Gazette.

Bankruptcy Acts.

ADJUDICATION.

GREER, BESSIE, lately at Sunnymede, Castledine Street, Quorn, Leicester, medicine-vendor.

RECEIVING ORDER AND ADJUDICATION.

CULLWICK, G. H. J., 80 Carlton Hill, Sneinton, and 574 Main Street, Carlton, Nottingham, chemist.

Births.

BRADBURY.—At 114 Wolverhampton Road, Stafford, on June 15, the wife of James A. Bradbury, drug-store proprietor, of a son.

CADGE.—At Bingham, on June 29, the wife of C. C. H. Cadge, chemist and druggist, of a daughter.

NAYLOR.—At Ainsdale, Southport, on July 2, the wife of Frank Naylor, chemist and druggist (S. Maw, Son & Sons), of a daughter.

RICKEARD.—At 74 Hazledene Road, Chiswick, W., on June 28, the wife of Reginald Rickeard, Ph.C., of a son.

STEVENSON.—At 45 Oldfield Parade, Wortley, Leeds, on July 1, the wife of Herbert Stevenson, of a son.

Marriages.

CRANE—GREAVES.—At St. Thomas's Church, Chesterfield, on July 4, the Rev. Ernest Crane, priest-in-charge of St. John's, Farnham Common, Bucks, to Mabel, eldest daughter of Mr. Abraham Walter Greaves, chemist and druggist, Rye Hill House, Chesterfield.

MAGEE—TUITE.—At the Pro-Cathedral, Marlborough Street, Dublin, on June 21, by the Rev. R. Barry Oldcastle, assisted by the Rev. R. Callery, B.A., St. Finian's College, Mullingar, Edward P. Magee, Ph.C., Kells, co. Meath, to Marcella, elder daughter of Mr. James Tuite, J.P., Oldcastle.

SWANSTON—MARSHALL.—At St. Mary's Church, Walthamstow, on June 25, William Ewart Swanston, pharmacist, to May Beatrice, eldest daughter of Mr. and Mrs. R. Marshall, High Street, Walthamstow.

TORRANCE—INMAN.—At Morningside Parish, Edinburgh, on July 1, Lieutenant W. B. Torrance, of the 18th Royal Scots, to Florence Gertrude, only daughter of Bailie and Mrs. Inman, Newbattle Terrace. [A guard of honour, composed of officers of Lieutenant Torrance's battalion, of which he is adjutant, formed an archway of their swords, under which the bride and bridegroom went as they left the church. Colonel Sir Robert Cranston, who was in command of the guard, proposed the health of Lieutenant and Mrs. Torrance at the reception after the ceremony held at Bailie Inman's residence.]

Deaths.

ALLENBY.—At 12 Verulam Road, St. Albans, Mr. Henry Allenby, chemist and druggist, aged seventy-five.

CASSIE.—At "Fermaine," 45 Galveston Road, Putney, on July 3, Mr. Ralph James Forbes Leith Cassie, chemist and druggist, formerly of 49 Newgate Street, London, E.C., aged sixty-five. Mr. Cassie was a native of the North of Scotland, but the greater part of his business-life had been spent in London, and until a few years ago he carried on a successful business opposite the General Post Office in Newgate Street. He was also for many years Churchwarden of Christ Church, Newgate. He was one of the City men who gave much attention to the Junior Pharmacy Ball, being on the original Committee, M.C. along with Mr. Charles Martin, and Secretary until Mr. J. E. Southon took up the work. It was failing health that compelled his retirement from participation in City affairs, and for the same reason he sold his business a few years ago, when he retired. He is survived by Mrs. Cassie and two daughters and two sons. Both the sons are serving in the Army. Of the latter, Corporal Leith Cassie is in the London Scottish, and was in the charge at Locs last September. The younger son is Lieut. Guy Cassie, of the Argyll and Sutherlandshire Highlanders. The funeral took place at Putney Vale Cemetery on Wednesday afternoon, July 5.

MR. RALPH CASSIE.

BILLING.—At St. Michael's Place, Brighton, on June 30, Mr. Thomas Billing, chemist and druggist, aged eighty-four. Mr. Billing was a native of King's Lynn, and after serving a short time in Oxford he went to Savory & Moore, New Bond Street, London, where he was for many years. He afterwards became a partner in their branch establishment at 86 King's Road, Brighton, and eventually acquired the business. He retired in January 1904, when selling the business to Mr. A. J. Franklin, who now carries it on. Mr. Billing will be greatly missed by many philanthropic institutions in Brighton. He was also a Governor of the Brighton Grammar School, Treasurer of the Sussex Horticultural Society, and was three times Master of prominent Masonic Lodges in the town. The funeral took place at the Parochial Cemetery on July 3.

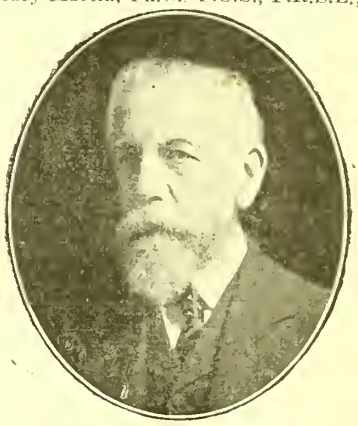
DICKINSON.—At 13 St. Mary's Street, Stamford, on July 1, Mr. Frederick Dickinson, chemist and druggist, aged fifty-three. Mr. Dickinson passed the Minor in 1886, and some years ago succeeded to the business established by his father. He took some interest in local affairs in connection with the Volunteer Corps and municipal charities. He was also a member of the Lodge of Merit (Stamford) Freemasons. He leaves a widow and one son, Lieutenant Roy Dickinson, who is on active service in Mesopotamia. The funeral took place on July 4, when there were present, besides relatives, the business staff and Mr. W. H. Goy, chemist and druggist, Clapham Common, S.W., who was formerly an assistant with Mr. Dickinson.

DOUGLAS.—At James Place, Alyth, on July 3, Annie Stewart Simpson Douglas, chemist and druggist. She passed the Minor examination in October 1905.

GRIEVE.—At Taymount, Carnoustie, on July 2, Mr. William Grieve, chemist and druggist, who had been in business at 89 High Street for many years. Mr. Grieve qualified in July 1891. Mrs. Grieve and four children survive him. The only son, Private R. P. Grieve, is in the Argyll and Sutherland Highlanders at the Front, and is a Carnoustie golfer of distinction.

LEWIS.—At Fishguard, Pembrokeshire, on July 3, Mr. Thomas Lewis, J.P., Ph.C. He took a prominent part in the public life of the district. His only son is a lieutenant in the Royal Field Artillery, captured with General Townsend's forces at Kut and now a prisoner at Constantinople.

MARTIN.—At Ravenswood, Low Fell, Gateshead, on July 5, Mr. Nicholas Henry Martin, Ph.C., F.C.S., F.R.S.E., for forty years senior partner and director of Brady & Martin, Ltd., aged sixty-nine. We were shocked to learn a few weeks ago that Mr. Martin had a very severe illness, and that the termination of the malady was merely a question of time. He was one of the most distinguished of British pharmacists, and had worked well for pharmacy, as well as in the larger sphere of industrial chemistry, having been a member of the Pharmaceutical Council, President of the British Pharmaceutical Conference, a member of the Council of the Society of Chemical Industry and Chairman of the Newcastle Section, and when the International Congress of Applied Chemistry visited London a few years ago he occupied the Chair of the Pharmaceutical Section. These are but a few of the positions he filled. Mr. Martin was born at Trebarveth, Cornwall, on May 2, 1847, and was apprenticed to Mr. Solomon, Penryn, Cornwall, for four years from 1863, after which he was for a year an assistant to Mr. Blandford, Bruton Street, Berkeley Square, London. He attended the School of Pharmacy, and passed the Minor and Major examinations in December 1868. At that time he was an assistant with Henry Deane, Clapham, where he remained until 1873, when he took over the retail pharmacy of Mr. William Ransom, Hitchin, but a year and a half later he went to Newcastle-on-Tyne as partner with Dr. H. B. Brady. Eighteen months later Dr. Brady retired, and Mr. Martin became proprietor of the business, which was subsequently converted into a private limited company as Brady & Martin, Ltd. Mr. Martin did excellent work for Newcastle pharmacy by resuscitating in 1885 the educational course instituted by Brady, Proctor, and others. This was one of the events of his pharmaceutical career of which he was proud; phar-



MR. N. H. MARTIN.

maceutical education, indeed, was his outstanding characteristic, and rarely have we conversed with him during the past quarter of a century without the subject coming up. His business success was remarkably good; in fact, his high position in chemistry and pharmacy is a reflection of it. We may mention that he had a most efficient co-director in Dr. William Martin, who is a medical graduate of the Durham University, also a nephew and son-in-law of Mr. Martin, and Dr. Martin's son has recently been made a pupil of Brady & Martin. Mr. Martin was President of the British Pharmaceutical Conference in 1894-95, serving at Oxford and Bournemouth, and he kept up his interest in the Conference to the end. The funeral will take place at Jesmond Old Cemetery, Jesmond Road, Newcastle-on-Tyne, at 2 P.M. on Saturday, July 8.

SMITHIES.—At Elland, Yorkshire, on July 2, Mr. William Edward Smithies, chemist and druggist, ex-President of the Halifax Chemists' Association, aged sixty-five. He qualified in 1872, and had been in business since at The Cross, Elland.

WILSON.—At "Wyveston," Corbridge-on-Tyne, on June 29, Mr. James Sayburn Wilson, chemist and druggist, aged thirty-eight.

YENDALL.—At Hawthorndene, Risca (Mon.), on June 29, after a long and painful illness, Mr. Thomas Yendall, drug-stores proprietor, aged sixty-one. Mr. Yendall was a member of the local District Council, a former school manager, and was regarded as an expert on Local Government finance.

Died on Service.

ASTILL.—Reginald Astill, aged twenty-one, younger son of Mr. W. D. Astill, of Parke, Davis & Co., has this week been killed in action in France. He enlisted, with his brother, when the war broke out, and they have been together at the Front for fifteen months.

BARNES.—Cyclist Lionel Frederick Barnes, son of Mr. W. F. Barnes, who is a representative of Matthews & Wilson, Ltd., manufacturing chemists, Mill Street, Dockhead, has been killed in France on active service. He was twenty-one years old, and was called up on the declaration of war. In 1915 he responded to the call for men to go to the Front. His commanding officer in writing to Mr. Barnes, expresses on behalf of the officers and men of the battalion their admiration of the gallantry of young Barnes, adding, "He is a boy whom you may well be proud of." Mr. Barnes has two other younger sons serving the country. One is in the R.F.A., and the other, who enlisted at fifteen, an A.B. on one of the battle-cruisers which recently went through the great naval battle.

JOWETT.—The War Office notified on June 30 that Lieut. W. H. Jowett, of the King's Liverpool Regiment, had been killed in action. He and his twin brother, Lieut. J. S. Jowett, of the Royal Munster Fusiliers, were partners in Clayton, Jowett & Ward, manufacturing chemists, Blackburn, having succeeded their father, the late Alderman W. H. Jowett, F.C.S.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

THE FINANCE (NO. 2) BILL.

Mr. Glyn-Jones, M.P., has given notice on consideration of the Finance Bill to move his new clause, "That the duty on table-waters shall not be charged on milk or non-aërated distilled waters." This is what he moved on the Committee stage.

INSURANCE PREMIUMS AND INCOME-TAX.

A new clause was added to the Finance Bill last week limiting the deduction of life-insurance premiums from the taxable amount of income to (1) an insurance limited to the payment of a capital sum on death; or (2) an insurance limited to the payment of a capital sum on death and the payment of a sum on reaching a certain age, so long as (*a*) that age is not less than sixty years and (*b*) there is an interval of at least twenty years between the date of the contract of insurance and the date on which the sum becomes payable, and (*c*) the sum payable on attaining the required age is not greater than the sum payable on death; (3) contracts for deferred annuities where (*a*) and (*b*) above apply. Mr. Glyn-Jones discussed the proposal well, strongly appealing for all classes of insured persons.

THE INDIGO-INDUSTRY.

In the House of Commons on Wednesday, Sir J. D. Rees asked the Secretary of State for India whether the Government of India and the Provincial Governments are able to guarantee that natural indigo shall not again be swamped by German synthetic indigo after the war; and whether great increase in production is assured if such guarantee can be given.—Mr. Austen Chamberlain replied that the future of natural indigo depends mainly upon improvements in the methods of cultivation and of preparation of the dye for the market and a settled and secure demand. The former may help to secure the latter, and the Indian Government is doing all it can to stimulate and assist the planters to place the industry on a sound commercial basis. He has already communicated with the other Departments of the Home Government which use indigo. He hopes that after the war they will give favourable consideration to the claims of an Indian industry, but he could not too strongly insist that the planters themselves must co-operate to ensure more scientific cultivation, better preparation for the market, and better marketing arrangements.

UNEMPLOYMENT INSURANCE.

A Bill has been introduced by the Government to amend Part II. of the National Insurance Act, which deals with insurance against unemployment in certain trades. It is proposed to extend the list of trades so as to include the following for a period of not more than five years after the commencement of the Act or three years after the termination of the war, whichever of those dates may be the later:

(1) The manufacture of ammunition, fireworks, and explosives.

(2) The manufacture of chemicals, including oils, lubricants, soap, candles, paints, colours, and varnish.

(3) The manufacture of metals and the manufacture or repair of metal goods.

(4) The manufacture of rubber and goods made therefrom.

(5) The manufacture of leather and leather goods.

(6) The manufacture of bricks, cement, and artificial stone, and fifteen other artificial building-materials.

(7) Saw-milling, including machine woodwork and the manufacture of wooden cases.

It is proposed that the Bill should come into operation on September 4.

GAS (STANDARD OF CALORIFIC POWER) BILL.

The second reading of this Bill took place in the House of Commons on July 3. The object of the Bill is to induce gas undertakings to increase the production of benzol and toluol required by the Ministry of Munitions. During the war permission to vary the calorific power of the gas supplied will only be given to companies prepared to erect plant for the purpose of producing these war necessities. In the course of the debate Mr. J. King pointed out that the bodies which are to have the benefit of the Orders under the Bill are to be encouraged to go into the chemical-trade for the purpose of obtaining the raw materials of munitions and high explosives. Were all these 831 undertakings to be encouraged to set up special plants for the production of benzol and toluol and to be told that they are not to be allowed to have the benefits of the Act unless they do? It meant that if there were an enormous increase in the production of these by-products the price would go down.

Sir William Pearce welcomed the Bill. The substitution of the calorific-power standard for illuminating-power is some small financial help to gas companies, but the public is not disadvantaged in any way. The gas companies require some return for the large operations many of them have undertaken at the instance of the Ministry of Munitions in increasing the supply of benzol and toluol. He suggested that, owing to the importance of the by-products, the Government should include a clause dealing with the financial separation of the two operations. It really is required in everybody's interests. It is required in the interest of the gas companies, so that they shall know exactly how much profit they are making on their various operations; in the interest of the public; and in the interest of the consumers.

Mr. Pretyman (for the Board of Trade) said the object of the Bill was to induce gas companies to increase the supply of benzol and toluol required by the Ministry of Munitions.

Sir William Pearce, in urging the necessity for keeping the accounts separately (a point which Mr. Pretyman promised to consider), said the chemical-trade has been made a controlled industry, especially with regard to productions such as sulphuric acid, and many large companies are making these very chemical substances that the Government control. There is no separation of accounts in those large chemical operations of the purely gas operations of a gas undertaking. It has been impossible to treat them in the same way, so that we have to-day a large number of private traders making certain things similar to what gas companies are making, and the private traders are controlled, whereas the gas companies are out of control.

The Bill was read a second time and referred to Committee.

Observations and Reflections.

By Xrayser II.

The Lack of Army Dispensers,

if it exists, is, as you say, entirely the fault of the military authorities, who have not only failed to offer pharmacists the position due to skilled men, but have done all they could to thwart their wish to be employed in the work for which they are by education and practice pre-eminently fitted. That many pharmacists who might otherwise have offered themselves for this work have been thus deterred and remain still behind their own counters is quite likely—and not to be wondered at. We have shown ourselves quite as ready as any other class to come to our country's help, but we have received less encouragement than most to do so in the most effective way. To contrast our action in this matter with that of the medical profession, as was done the other day by the Brighton doctor who said that if we had been equally patriotic with them half the chemists' shops would be empty, is monstrously unfair. The doctor who enters the Army receives at once a salary often equal or even superior to what he was making in private practice (if he had one), is given the rank of officer, and treated as a gentleman. I have been told of men going straight from the examination-room of the College of Surgeons to an Army appointment at 400*l.* a year. If the treatment of attesting pharmacists had been proportionately generous there might have been some point in the comparison, but there would then have been no occasion to make it. All things considered, our patriotism has stood the test to which it has been subjected amazingly well. But there is another point for remark.

"Taking a Grip"

presupposes that there is something to grip, that there are men in a position to grip it, and that these men are willing to do their bit by taking hold. The position of pharmacists in the Army has been a running sore for just about two years, during which time it has been talked about, written about, and cursed to no end by every pharmacist, but so far no one has done anything. Here is the something waiting all these weary months to be gripped, and not one man has yet taken that bulldog hold which, had it been taken, would have produced definite results long ere this. There are several men in a position to take a grip, first among whom are the Council of the Society and its President. One would have expected that in a national matter of this kind, where many hundreds of pharmacists are so intimately affected, the members of the Council would have subordinated their personal predilections, but I have not noticed that they have taken much interest in the question. Of the Secretaries I need say little: one is working with the War Office, but not on this question; the other has tried, but found the matter heavier to handle than feathers, so nothing has been done.

The Cultivation of Medicinal Plants

appears to be catching on as the very latest hobby for ladies who have not been able to find any outlet for their energies in the usual (war) channels. I use the term "hobby" advisedly, for I am quite sure that of every hundred people who take up plant cultivation and gathering at least ninety-nine will drop it long before it comes to be a paying proposition. It appears that not only in this country but in some Allied countries Societies are being started for the promotion of this object, and where there is behind the promoters sufficient capital to ensure a few years of labour without any remuneration there is the possibility that some profit will by and by be made in the undertaking. At the best, however, it must be a case of casting their bread upon the waters with little hope that it will come back after many days, much less come back "buttered too, for certain," as Biglow's Pious Editor phrased it. The isolated, spasmodic efforts now being made throughout the country by people, themselves unacquainted with plant-farming, and depending for their information on experts, are hardly likely to add much to the sum total of drugs cultivated in Great Britain. On the other hand, efforts made on an adequate scale and backed by responsible men may lead to some result in the distant future, and, provided the war lasts long enough, may in a few years be a remunerative undertaking.

Ether,

says Wootton, in his "Chronicles of Pharmacy," was first employed in a surgical operation in England by Liston, at University College Hospital, in December 1846. I came across an interesting allusion to this epoch-making event the other day in Crabb Robinson's "Reminiscences." Writing to his brother Thomas at Bury, under date December 26, 1846, Robinson says he is enclosing a paper signed by his friend Dr. Boott, giving an account of the new anæsthetic, that it may be laid before the faculty in his brother's neighbourhood. He blames himself for not having sent the paper earlier, but probably it refers to the operation by Liston, as Boott, like Robinson himself, was on the Committee of Management of the Hospital. Boott was an American by birth, and in all likelihood he would be one of the first physicians in this country to have his attention called to the use of ether as an anæsthetic in the United States. The way in which Robinson speaks of the new discovery is an index to the feeling with which operations were regarded by the laity before anæsthetics were known. It was nearly a year after Liston's operation that Simpson began his experiments with chloroform.

Mr. William W. Brown,

in his reply to my partly jocular remarks on minimum prices in Edinburgh, entirely begs the question, in so far as it is a purely business one. I agree with him that "to continue to supply the public with whatever it asks for, irrespective of whether there is gain in the transaction or not," is foolish, and I have never been able to understand why so many pharmacists do it, but I deny emphatically that the "penny trade" is, generally speaking, an instance in point. For many years my penny trade paid me a good deal better than the trade in certain proprietaries which most pharmacists continue to sell on terms that are "neither businesslike nor profitable"—a phrase which seems to me tautological. That conditions are so changed during the war that it would not still pay as well to put up and sell pennyworths of very many common drugs as to retail a good many expensive "patents" I do not believe, and I am convinced that to refuse to do it will alienate many customers. I speak from experience, not in "poor" neighbourhoods only. As for "putting a value on our services," that is not the question, which is the putting of a factitious value on an ounce of salts.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

3/72. Hanley's chloride of lime.
6/9. "La Blossom Blush" face-powder.
1016. "Cinnamonal."
258/69. "Hypochlorine" ointment.
256/8. Lady Macbeth's cloth-cleaner.
251/29. Purdue's fluid sulphur.
257/4. Holt's specific for whooping-cough.
8/52. Machinery for making pleated paper bottle-caps.
4/8. Formquettes.
8/55. Buzzard-Flanders' catgut.
8/98. Booth's water-purifying tablets.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

Allcock's corn-plasters, 257/58
Ammonal, 251/27
Chinosol substitute, 242/45
"Ever-Ready" safety razor, 239/32
Morris's eye-ointment, 224/26 and 253/9
"New Skin," 252/263
Quince-seed, 243/28
Radium water, 242/60
Reade's "Denso," 229/46
Soda cacodylate, 244/32
"Solac," 233/67
Tinder-lighters, 233/21
"Vitafer," 242/33
Walter-Troke syringe, 255/1

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"Sanitas Sypol" (Improved Lysol).
"Sanitas Sulphur Candles."
"Sanitas Formic Sulphugators."
"Sanitas Formitas Outfits."
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Editorial Articles.

Companies as Enemies.

On July 22, 1880, the House of Lords gave its historic decision to the effect that in Sections 1 and 15 of the Pharmacy Act, 1868, the word "person" does not apply so as to make a company liable to the penalty imposed by Section 15 upon those who are not qualified in accordance with the Act, yet keep open shop for retailing poisons. The principle thus laid down—a company is not a person—has been sustained in many legal proceedings which have since occurred, and was also maintained since the war began by the High Court of Justice of England and the Court of Appeal in the case Daimler Co. *v.* Continental Tyre and Rubber Co. (Great Britain), Ltd. The effect of the previous decisions was that a limited company registered in this country is not an alien enemy, and can carry on business here. So also a limited company, though not chemists and druggists according to the Pharmacy Act, can carry on the business of a chemist and druggist. The House of Lords now says this is wrong. The facts are that the Continental Tyre Co. was registered in England, and of its four directors three were resident in Germany and the fourth left England immediately after the outbreak of war. The secretary (Mr. Wolter, a naturalised British subject born in Germany) was the only English shareholder, and the extent of his holding was one share of 1*l*. The company was, in short, a branch of a German company, and they sold

in England motor-car tyres manufactured by them in Germany. After the war began the English company continued to carry on business here, and the lower Courts held that this was legal, but the Daimler Co. appealed to the House of Lords on the grounds:

(1) That the company was, in fact, an alien company with whom it was illegal, apart from a licence from the Crown, to hold any commercial intercourse, which included the payment of money for a trade debt; and

(2) That the secretary had no power either to authorise the company's solicitors to issue the writ in the action or to give a receipt for the money when recovered.

Lord Halsbury had seven other Law Lords associated with him in hearing the appeal and giving the judgment, five of the latter being with him in the judgment that the decision of the lower Courts should be reversed. His Lordship's judgment was based upon the fact that our company machinery, in its application to German traders, while perfectly lawful in peaceful times, becomes absolutely unlawful when Germany is at war with us. In the other judgments the fact that the secretary of the company had no authority to institute the action upon which the Daimler Co.'s defence was based was the ground for allowing the appeal. Lord Parker of Waddington gave an exceptionally informative judgment, which embodied a statement of the law on the subject. This was printed in "The Times" of July 1. The main fact that interests our readers is that the principle established on July 22, 1880, was set aside on June 30, 1916, as regards companies constituted by alien enemies. The judgment is clever, and was wanted. It will apply to many other companies of Germans or other alien enemies which have been or are carrying on business in this country, but it has no effect whatever upon the 1880 judgment, because that had to do with a company which may have been an enemy to pharmacy, but was not an alien enemy to the State. Besides, the position as regards pharmacy has since been straightened by the Poisons and Pharmacy Act, 1908, which lays down the conditions upon which companies may trade as chemists and druggists. Such a difference there might have been had the 1880 case happened now!

Straits Settlements Laws.

ELEVEN years ago the Straits Settlements passed a Poisons Ordinance, which came into force on July 1, 1905. Particulars in regard to the Ordinance were given in the *C. & D.*, 1905, I., 104 and 550. The Ordinance provides that the seller of poisons must be licensed. An amendment to the Ordinance is now proposed by the Governor, with the advice and consent of the Legislative Council, the effect of which will be that importers of poisons must also be licensed. An amendment to the Medical Registration Ordinance, 1907, is also proposed, on the suggestion of the General Medical Council, so as to ensure that degrees and diplomas recognised by the G.M.C. will also be registrable in the Straits Settlements.

Trading with the Enemy.

THE Privy Council of June 30 made an order prohibiting trading with certain persons in foreign countries, which countries are not our enemies but the persons named may be. A new statement in regard to the matter is issued. The additions to the list previously published include the names of persons or firms in Argentina, Bolivia, Brazil, Chile, Denmark, Ecuador, Morocco (a list which supersedes all previous lists), Netherlands, Norway, Persia, Peru, Philippine Islands, Portugal, Portuguese West Africa, Rio Muni, Portuguese Guinea and Fernando Po, Spain, Sweden, and Uruguay. Certain removals from the list are also made, these embodying the names of persons or firms in Argentina, Brazil, Chile, Netherlands, Norway, Portugal, and Sweden. Variations are also made in regard to the names of persons or firms in Brazil, Netherlands, Norway, and Portugal. Copies of the paper, which is issued by the Privy Council, can be obtained from Wyman & Sons, Ltd., and other publishers of official papers. It is stated that the Foreign Trade Department is prepared on application to inquire of his Majesty's representatives abroad for the names of substitutes for any firm on the statutory list.

Habit-forming Drugs.

THE medical profession, as represented by its principal weekly journals, appears to be determined not to have any modification of the Army Council Order in regard to the dispensing or sale of so-called habit-forming drugs (see *C. & D.*, May 20 to July 1). The "British Medical Journal" now approaches the subject, and states that the benzamine salts, as synthetic compounds, are not poisonous vegetable alkaloids, and are, like Indian hemp, excluded from the poisons schedule. It adds:

"The restrictions of the Pharmacy Act refer to retail sales; the only clause dealing with scheduled poisons when dispensed to a prescription merely requires that the prescription shall be entered in a book kept for the purpose, and that the name and address of the pharmacist dispensing it shall appear on the label; no evidence even is required that the prescription is that of a medical practitioner. [The nature of the Army Council Order is then described.] The need for restricting the repetition of prescriptions for habit-forming drugs has long been felt, and the practice of putting on the prescription 'Not to be repeated' or similar words is by no means unknown, while the requirement that a practitioner's signature, and not merely initials, must be attached when poisonous ingredients are ordered in a medicine, is obviously reasonable. Probably these additional precautions, being now necessary in some cases, will become general."

This subject is being worked up in a way that will be ultimately highly detrimental to those registered under the Pharmacy Acts. So far the Pharmaceutical Council does not seem to have paid the slightest attention to it, although it is the statutory body charged with the protection of the interests of chemists and druggists in such matters. Is it not important enough for attention in Bloomsbury and Dublin?

The British Dye-industry.

PROFESSOR H. E. ARMSTRONG, in the "Times Trade Supplement," writes on the "Peril of British Dye Industry." It is written in the forcible style usually associated with the professor, for whom people in this country move much too slowly in certain directions favoured by Dr. Armstrong. He warns his countrymen that Germans are organising their chemical-industry so as to obtain industrial domination after the war, and that the only way in which we can hope to cope with such an organisation will be to oppose to it a complete organisation of our own, so assured of Government support that it will be able to withstand German efforts to prevent us from acquiring an independent position. Dr. Armstrong refers to the need for a physiological department in connection with a central research laboratory. He writes:

In connection with the discovery and preparation of pharmaceutical products for use in medicine, one of the most remunerative sides of the industry, much physiological inquiry must be carried out, including experiments on animals. Diphtheria antitoxin was first made for sale in a German dye-works. Unreasoned and unreasonable public opinion has played a great part in our country of late years in retarding the progress of scientific medicine.

Lord Crewe stated on June 30, at a meeting of the governing body of the Imperial College of Science and Technology, that it is the intention of the Government to appoint a special Committee to inquire into the question of scientific teaching, and there may be other Committees. It is proposed, he said, that the Committee, working in close concert with the President of the Board of Education, should be a Committee containing the names of scientific men in whom the country would have confidence, the names of some of those who appreciate the application of science to commerce and industry, and, of course, also including those who are able from general experience to co-relate scientific teaching with education as a whole. The Committee will have a close connection with Government.

Pharmaceutical Society of Great Britain.

Council-meeting.

The monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on July 5. The Councillors present were: Mr. E. White (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), Mr. F. E. Bilson, Mr. A. S. Campkin, Mr. J. H. Cuff, Mr. W. L. Currie, Mr. J. W. Deakin, Mr. F. J. Gibson, Mr. R. L. Gifford, Mr. C. E. A. Goode, Mr. A. Hagon, Mr. J. F. Harrington, Mr. J. Harrison, Mr. J. Keall, Mr. L. M. Parry, Mr. P. F. Rowsell, Mr. F. P. Sargeant, Mr. H. Skinner, and Mr. J. R. Young.

Sir Nestor Tirard Writes.

The minutes of the previous meeting having been read and confirmed, a letter was read from Sir Nestor Tirard thanking the Council for the congratulatory resolution forwarded to him on his knighthood. The letter stated that having worked with Professor Attfield, Professor Greenish, and the members of the Committee of Reference in Pharmacy, he had a high appreciation of the work in which they had been engaged together.

Deaths.

The President then made sympathetic references to the death of Mr. Claude F. Henry, Edinburgh; Mr. John Babtie, Dumbarton; Mr. C. J. G. Bunker, Twickenham; Mr. J. A. Lamble, Devonport; and Mr. C. J. Arblaster, Birmingham.

Mr. Currie referring to Mr. Henry, said he took charge of his (Mr. Currie's) business just before his death. He was a Nature's gentleman, and everything he put his hand to he did well. He added a few words of appreciation of the late Mr. Babtie, whose friendship he had enjoyed for forty years.

Mr. Rowsell and the Vice-President paid a tribute to the services rendered to pharmacy by Mr. Bunker.

Mr. F. J. Gibson said a few words regarding Mr. Arblaster.

Member Co-opted.

The President then proposed that Mr. Thomas Guthrie, 21 Hayburn Crescent, Glasgow, be co-opted a member of the Council, in place of Mr. J. P. Gilmour, resigned. He referred to Mr. Guthrie's special interest in the National Insurance Act, and felt sure that he would be a worthy representative member.

Mr. T. Guthrie.

Mr. Currie seconded the motion, and referring to the fact that again there are two Scottish pharmacists on the Council from Glasgow, said it must not be inferred that pharmacy is centred in Glasgow. Mr. Guthrie, he added, is a most capable man, shrewd and reticent, and although not a quick thinker, when he gave an opinion on a subject it might be considered to be sound, as having been well thought out.

Mr. Rowsell, supporting, mentioned Mr. Guthrie's work on the Joint Standing Committee on Insurance.

The motion was adopted.

Elections and Restorations.

The election then took place of fourteen members and ten student-associates, and 126 persons were restored to their previous position in the Society. One name was restored to the Register of Chemists and Druggists. A number (not stated) of apprentices were registered, the Secretary reported.

Correspondence.

The North British Branch forwarded a report of the last meeting of the Executive, and also the result of the election of the Executive and officers for the ensuing year.

The Oxford and Cambridge Schools Examining Board wrote stating that they are revising the regulations for the examinations of the Board in accordance with the recommendations of the Board of Education, and asking how far and on what terms the Society is prepared to accept the certificates in lieu of its Preliminary examination. It was agreed to refer the matter for report to the Boards of Examiners.

Finance Committee.

The Secretary read the report of the Finance Committee, which sat on the previous day:

The receipts of the General Fund during the month were 1,541*l.* 1*s.* 4*d.*, made up as follows: Penalties and costs, 80*l.* 15*s.*; "Journal," 5*l.* 11*s.* 6*d.*; B.P. Codex, 4*l.* 15*s.*; subscriptions, 196*l.* 17*s.* 6*d.*; registration-fees, 58*l.* 16*s.*; examination-fees, 1,063*l.* 14*s.*; school-fees, 10*l.* 10*s.*; certificates of qualification, 8*l.* 2*s.*; restoration-fees, 4*l.* 4*s.*; dividend, 107*l.* 16*s.* 4*d.* After deducting the payments ordered at the last Council-meeting, a balance of 794*l.* 3*s.* 6*d.* remained. It was recommended that payments be made amounting to 1,468*l.* The balances on the Benevolent Fund were: Current account, 4*l.* 18*s.* 4*d.*; donation account, 107*l.* 5*s.* 11*d.*; Orphan Fund, 52*l.* 14*s.* 11*d.*

The Treasurer moved the adoption of the report, adding that, although the balances are small, they will right themselves.

Benevolent Fund Committee.

The report of this Committee was read, after which its adoption was moved by Mr. Bilson. Grants amounting to 93*l.* were recommended to be made to five persons who have received previous grants. Mr. Bilson also mentioned that a donation of 6*l.* had been received from the Pharmacists' Volunteer Training Corps, and 1*l.* 8*s.* 6*d.*, the proceeds of a collection-box lent by the Society.

The report was adopted.

Library Committee.

The report of the Library, Museum, School, and House Committee, which was read by the Secretary, contained a confidential report on the work that has been done for Government Departments in the Research Laboratory since the issue of the annual report. It was recommended that in future the grant of 25*l.* which the Society makes to the School of Pharmacy for the provision of apparatus be discontinued, and that apparatus be paid for out of the grant which the School receives from the Board of Education.

The President, in moving the adoption of the report, said that although the school staff have not been fully employed in teaching they have devoted their time to carrying out work for national purposes which could not very well be done so well anywhere else.

The report was adopted.

School Awards.

The report of the Parliamentary and General Purposes Committee recommended the following awards to students of the School of Pharmacy:

Botany.—Bronze medal, Doris Gregory; certificates of honour, David Page and Charles William Thorpe, equal.

Chemistry.—Bronze medal, Charles William Thorpe; certificates of honour, David Page and Louisa Purdon.

Practical Chemistry.—Bronze medal, David Page; certificates of honour, Doris Gregory and Charles William Thorpe.

Materia Medica.—Bronze medal, Charles William Thorpe; certificates of honour, Doris Gregory and David Page.

Pharmacy.—Martindale Memorial medal in silver, Charles William Thorpe; certificates of honour, Doris Gregory and Frank Fletcher.

The Council adopted this part of the report.

The other matters before the Committee included a report by Mr. Glyn-Jones as to his action on the question of the liability of distilled water to table-water duty. In regard to Mr. Gifford's statement respecting the report of the Select Committee on Patent Medicines, it was arranged that the Secretary should present a report on the matter for the October meeting. The rest of the proceedings of the Committee, including the report of the Local Associations Executive Committee, was not taken in public.

Jacob Bell Scholarships.

The staff of the School of Pharmacy was re-appointed, and Mr. E. M. Holmes was appointed examiner to conduct the Herbarium Competition. The report of the Jacob Bell Scholarship examination was also received. There were nine candidates for the examination, and practically every one reached the standard required for the scholarship. The awards were made to Barradale Whiddon Melhuish and Elsie May Reade, both London candidates. There were no entries for the Manchester scholarship. The Council duly confirmed the awards and thanked the examiners.

Alien Enemy Members.

Mr. Hagon had a notice of motion on the agenda regarding alien enemies upon the "list of honorary and foreign members" which it was agreed should be referred for consideration to the General Purposes Committee.

TRAINING IN MICRO-BIOLOGY.

Mr. SKINNER then moved the following resolution:

That owing to the importance to the public services and to pharmacists of training in micro-biology, and the allied chemical questions arising therefrom, the Council should invite the Committee charged with investigating the possibility of such training to accelerate their report so as to enable a decision to be arrived at on its practicability or otherwise.

He said that every pharmacist is interested in the question of education, and the keynote of progress in pharmacy lies in bacteriology. He preferred to call it "micro-biology" so as not to involve the Council in controversy. He referred to the importance of micro-biology in the public services. The authorities consider that public pharmacists should have a knowledge of this subject, and in the Army it is persons with this special knowledge who are wanted. In the dispensaries which are being opened under the National Insurance Act many of the dispensers are required to stain and differentiate bacteria, and the interest of pharmacists in the matter is evident from the success which has attended the classes held in connection with the Pharmacists' Volunteer Training Corps. It may be asked, Why press the matter now? It was because nothing had been done as a result of the meeting at which the matter was brought forward four years ago, and also because after the war there will be many problems to engross their minds which would probably postpone consideration of the matter for many years. He suggested that the Board of Examiners be asked to prepare a report on the matter so that the Council may be ready to proceed when the occasion requires.

Mr. DEAKIN seconded the motion. The necessity for a higher standard of examination has been shown, and those positions should be filled by persons trained under the ægis of the Society. He thought the matter should be referred to a Committee as it wants looking into very carefully. The Council must be convinced that the best method has been adopted.

The PRESIDENT said they were all in sympathy with the principles underlying the motion. Experimental lectures had been given as feelers, but the matter had had to be postponed because the staff has been busy with other questions since the outbreak of the war. His firm impression is that the Society must keep its educational requirements in touch with the needs of the times otherwise another body of people will take over the work. What is wanted is subjects which will be useful in the pharmacist's daily business. Care must be taken to avoid the accusation that chemists are infringing on the medical men's domain. He suggested that the matter be referred to the Library Committee, which is in direct touch with the school professors.

The motion was adopted and referred to the Library Committee.

THE PRINCIPLES OF FEDERATION.

Mr. SKINNER then brought forward the following motion:

To submit a recommendation that the appropriate Committee should design general principles for the guidance of such Associations desirous of federating into divisional areas.

He acknowledged that the matter is a controversial one, and that it has been rejected by the Local Associations Conference, but a change has come over the case since then. There are two schools of thought, the one which deals with geographical areas, and the other with local Associations. It is with a view to reconciling these diverse views that he wished a Committee to agree upon the general principles of federation.

Mr. GOODE, seconding, said that federation is the natural outcome of the establishment of Associations. To keep advancing is a healthy sign.

Mr. SARGEANT opposed the motion. It would be a bad principle, he said, to accept a motion that has been rejected by the Local Associations Conference. No general principles could be laid down that could be accepted by all parts of the country.

Mr. ROWSELL supported the motion.

Mr. PARRY characterised it as a subtly worded motion and "a gross impertinence." Lancashire is at present organising itself, and any interference by Mr. Skinner and his friends will be much resented.

Mr. DEAKIN disclaimed any intention to interfere with the schemes of any Association. The Local Associations Executive could examine the various schemes and report on them. It will be necessary to be able to speak with a united voice on the great problems of the future, about which he was not without anxiety.

Mr. CAMPKIN supported the motion, and referred to the advantage of federation in other organisations with which he was connected.

Mr. YOUNG said there were no differences as to the wisdom of Associations uniting. At a recent meeting in Manchester when the subject was considered many difficulties were brought up, but he thought these could better be settled locally than by a centralised body.

Mr. SKINNER, in reply, said that none of the argument prevented the matter being considered by a Committee.

The motion was put to the Council, when eight voted for it and nine against. The PRESIDENT declared the motion lost.

This concluded the public business.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Bolton.—At the quarterly meeting of the Insurance Committee on June 29, the Commissioners intimated that they had recently had under their consideration the question of the settlement with chemists for 1915, and had placed before the Pharmaceutical Society proposals which, if acceptable, would enable a settlement to be effected forthwith. The Clerk reported that under the current Drug Tariff there is no provision for equitably pricing prescriptions issued by doctors for use in emergency cases. He had interviewed the Commissioners on the point, and they suggested the doctors should accept a flat-rate fee to cover the cost of providing emergency medicines and prescribed appliances from their own stocks. The matter was referred to the Panel Committee.

Bristol.—The Insurance Committee has given notice to panel doctors that, after July 16, they are not to order drugs or appliances in such a form as to necessitate a reference on the part of the person supplying the drug or appliance to a previous order, unless such order has been given during the then current month.

Hertfordshire.—At the last meeting of the Insurance Committee it was reported that the business of the late William O. B. Siviter, chemist and druggist, is being carried on by Mr. H. Siviter, and that Insurance prescriptions are not being dispensed pending the appointment of a qualified chemist.

Middlesex.—Mr. W. S. Glyn-Jones, M.P., presided at the meeting of the Middlesex Insurance Committee on July 3. The Medical Service Sub-Committee reported that they had considered complaints from two medical practitioners on the panel with reference to the action of certain chemists, and had, in accordance with the Medical Benefit Regulations, referred them to the Joint Services Sub-Committee. The action of the Committee was approved. The following payments were, on the recommendation of the General Purposes Sub-Committee, directed to be made to chemists: For 1914, 7*l.* 13*s.* 2*d.*; 1915, 5*l.* 2*s.* 3*d.*; 1916, 3,380*l.* 5*s.* 10*d.* and 274*l.* 8*s.* 6*d.* The General Purposes Sub-Committee reported that they had considered a letter from the Pharmaceutical Committee, asking that all dressings and appliances supplied by pharmacists for emergency use by a panel practitioner be priced at the cost-price on the new Tariff, with the addition of 33⅓ per cent., and that the total cost shall not exceed 10*s.* per annum for each practitioner; also whenever the term "aqua" appears in a prescription written by a duly qualified medical practitioner, distilled water should be supplied by the chemist and be paid for at the Tariff-price. There was also a letter from the Secretary of the Panel Committee on the subject. The Sub-Committee recommended that no action be taken in the matter, and this recommendation was adopted. The Chairman said that some hundreds of cheques were now ready for posting under a scheme which was passed by the Committee and approved by the Commissioners for the payment of practitioners in 1914. Now during the last few days some letters had been received from practitioners on the panel, protesting against the method of allocating the final sum due. The total amount earned by doctors in 1914 was about 115,000*l.*, and the amount now for distribution was 7,000*l.* The scheme provided that no doctor should have more than 2,000 patients on his panel. After considerable discussion, it was resolved to distribute the cheques in accordance with the scheme adopted in 1914.

Northampton.—The Insurance Committee has decided to write to the panel practitioners urging the necessity of strict economy in prescribing drugs.

Sheffield.—At a meeting of the Insurance Committee on July 5, the arrangements made for releasing more medical men for service with the Army were sanctioned. The panel doctors remaining are to take the patients at half fees of those called up. The Commissioners submitted draft regulations for conducting the business. Among these is a regulation requiring the accounts to be balanced one month after the close of each year. The Clerk pointed out that as the credits for 1914 have only just been received, and the amount for 1915 has not yet been notified, the regulation is impracticable. Among the accounts sanctioned for payment were chemists' balances for March and April and grants of 4*d.* per script for May.—The Pharmaceutical Committee met on July 3, Mr. H. G. Williams in the chair. It was decided that the information supplied in regard to the settlement of the accounts for 1915 is too indefinite to allow of acceptance, and the Secretary was asked to interview the Commissioners in regard to the matter. The formal intimation was received agreeing that the Committee election be postponed until next year. The annual report was presented, which, with the balance-sheet, is to be circulated among the chemists on the panel. The Secretary was authorised to send a cheque for 31*l.* as the quarterly contribution towards the cost of checking prescription-pricing. An example of unsatisfactory pricing was considered by the meeting, but the matter was deferred until next meeting.

Southport.—At a meeting of the Insurance Committee on June 27, Mr. D. Richards, Chairman of the Medical Benefit Sub-Committee, drew attention to a paragraph referring to the adoption by the Panel Committee of ten stock mixtures from the list sent out by the Commissioners. He said that a chemist who is a member of the Sub-Committee stated deliberately that these mixtures deteriorate. Members were there in the interests of insured persons, and when the Act was passed they were told that insured persons were to have nothing but the best. Medicines that are in a state of decomposition could not possibly be of the best. The Sub-Committee had instructed the Clerk to communicate with the Commissioners with reference to the question of stock mixtures, and a reply had been received to the effect that it is none of their business, and that the Committee are to do as they are told. Mr. Richards also called attention to the resignation of Mr. R. H. West from the chemists' panel, and said this is connected with the question of stock mixtures and had been deferred on that account. Mr. J. Priestley, who seconded the adoption of the report, said the feeling of the Sub-Committee when the question of stock mixtures came before them was strongly against it. It is the worst form of club practice—the thing that the Act was to remove. Mr. F. Battersby (chemists' representative) associated himself with the remarks that had been made by the other speakers, and said that he did not think that it is in the interests of the insured persons that the mixtures should be allowed. He had not the slightest doubt that the doctors are desirous of doing all they can for insured persons, but he did not think that with the mixtures chosen it could be done. The report was adopted. The Pharmaceutical Committee asked for the payment of 10*l.* on account of the administrative expenses for 1916, and the application was acceded to.

SCOTLAND.

Kirkcaldy.—The Insurance Committee, on June 30, further considered the question of a grant from the Special Drug Fund on account of the influenza epidemic, which, it was urged, has caused an unusual consumption of drugs (*C. & D.*, July 1, p. 47). Judge Peebles, chemist and druggist, said the interference of the Commissioners with prescribing is undermining the public confidence in doctors. He thought that medical men should not be called upon to consider cheapness of drugs. The Chairman suggested that the question should be dropped as the Clerk reported that there would be enough money to pay the chemists. This was agreed to.

WALES.

Cardiff.—At the meeting of the Insurance Committee on June 30, Mr. Jabez Jones moved a resolution to the effect that certain medical practitioners be surcharged for excessive prescribing. He stated that not only were excessive quantities of medicine prescribed, but patients in some cases obtained drugs which were taken direct to the prescriber's surgery. The last-named practice was defended on the ground that a doctor should have a little reserve of drugs in case of necessity. Dr. Treasure, a member of the Committee, defended the medical practitioners, and eventually Mr. Jones's motion was defeated. A resolution was afterwards adopted urging the Treasury to make good the deficiency in the Drug Fund for 1913.

Association Affairs.

Chemists and Druggists' Society of Ireland.—The annual excursion took place on June 28. The party left the headquarters, Waring Street, Belfast, at 1 P.M. in two motor char-a-bancs, and a pleasant run of two hours *viâ* Ballynahinch and Clough brought them to Newcastle. *En route* the waters of the spa were tasted. At Newcastle the company was joined by Quartermaster-Sergeant R. A. Jamison, Royal Irish Rifles, one of the Hon. Secretaries of the Society, who had come over from the camp at Ballykinlar, where he is training troops. Dinner was provided, after which the afternoon was spent amid the beauties of Donard Demesne, where the President (Mr. W. J. Rankin) welcomed the members and visitors. Mr. Samuel Gibson, J.P., replied for the members, Mr. John Frackleton for the Social Committee, and Mr. George Fawcett for the visitors. Tea was provided at 7 P.M., and a run of two and a-half hours *viâ* Downpatrick and Killyleagh brought the party back to Belfast. Among those present were the President (Mr. W. J. Rankin) and Miss Rankin, Mr. Samuel Gibson, J.P., Messrs. John Frackleton, F. Lindsay, A. R. Hogg, D. A. Taylor, D. O. Perry, J. Macauley, James Moffett, A. E. Davis, S. McDowell, S. Suffern, William Martin, J. S. Balmer (Bangor), McCurdy, Sandford (Newtownards), J. Bell, S. Stewart, Sanderson, Jacob Walsh, and S. Nevin (Hon. Secretary). The arrangements were carried out by the Social Committee, of whom Messrs. Frackleton, Martin, and Perry were present with the Hon. Secretary (Mr. S. Nevin). Mr. A. R. Hogg took several photos of the party.

London (N.).—The annual outing of the North London Pharmacists' Association and Ucal Lodge of Pharmacy this year again took the form of a launch-trip, when a different part of the river Thames was visited from that of last year. The party joined the s.l. *Gaiety* at Kingston-on-Thames on June 29 for Chertsey, where tea was provided at Taylor's Restaurant. Light refreshments were served on board on the up and return journeys, under the superintendence of Mrs. Mumford, also Mr. Alfred Higgs, J.P., and Mr. Leonard Higgs, who were asked by the Committee to give them the benefit of their experience in that direction. The chair was occupied at the tea by Mr. C. W. Matthews (President of the North London Association). Unfortunately, the return journey to Kingston was marred by heavy rain, but the company were entertained with an excellent musical programme, arranged by Mr. Bowie. Mr. Herbert Skinner and Mr. Mumford were responsible for the general arrangements of the trip, and are to be congratulated upon the success which crowned their efforts. Among those present were Mr. and Mrs. Matthews, Mr. and Mrs. Skinner, Mr. and Mrs. G. W. Evans, Mr. and Mrs. Shirtliff, Mr. and Mrs. Bromley, Mr. and Mrs. Carter, Mr. and Mrs. Tocher, Mr. and Mrs. Hearle, Mr. and Mrs. Goode, Messrs. John Humphrey, Keith, and Thompson.

Newport (Mon.).—Mr. T. J. Badgett, chemist and druggist, Clarence Place, has been compelled, in consequence of the depletion of his staff, to resign the secretaryship of the Newport Pharmacists' Association. He has held the office for four years. He will be succeeded as Hon. Secretary by Mr. W. H. Padgett, dispenser at the Royal Gwent Hospital, Newport.

Sheffield.—The annual meeting of the Sheffield Pharmaceutical and Chemical Society was held on July 4, Mr. H. G. Williams in the chair. The Secretary (Mr. S. Furnival) reported that there are now fifty-eight members and nine associates—six fewer members than last year. The Treasurer presented the balance-sheet, which showed 23*l.* 16*s.* 11*d.* in hand, compared with 19*l.* 14*s.* 11*d.* in the previous year. Reference was made to the death during the year of Mr. G. T. W. Newsholme. The Society is supporting the canvass for an earlier-closing order which is now taking place. The following were elected to the six vacancies on the Council: Messrs. B. Ellis, S. Furnival, A. E. Haining, C. H. Hewitt, J. Gilbert Jackson, and H. G. Williams. The scrutineers, Messrs. A. Knowles and J. S. Oswald, were thanked for their services. It was decided to make a donation of ten guineas to the Benevolent Fund. Mr. Williams was appointed to fill the vacancy on the Court of Governors of the Sheffield University caused by the death of Mr. Newsholme. Mr. E. Preston, Ph.C., was co-opted a member of Council in place of the late Mr. Newsholme. Congratulations were ordered to be sent to Private Needham, R.A.M.C., on the award to him of the D.C.M. He was formerly an assistant with Mr. Roebuck and Mr. J. Preston.

TAYLORS' DRUG CO., LTD., have moved their Barnoldswick branch from Park Road to a more central position at Bank Buildings, Skipton Road, Barnoldswick.

Trade Notes.

ABSOLUTE ALCOHOL made in Holland is offered by The Pharmacia, Royal Pharmaceutical Laboratories, 27-35 Looiersgracht, Amsterdam.

BARTOLINE (HULL), LTD., Myton Place, Hull, offer a half-white paraffin oil (or tinted green) that is particularly suitable for making toilet-preparations.

J. L. LYON & CO., Roman Wall House, 1 Crutched Friars, London, E.C., have for family reasons converted their London business into a limited liability company.

BEECHAM'S PILLS.—A complete list of the wholesale prices of Thomas Beecham's three specialities is printed in this issue. There is a new size of the popular pills, containing double the quantity of the 3*s*. box, which retails at 5*s*.

THE "SQUIRREL" EFFERVESCENT CARLSBAD SALT is one of the products of The British Drug Houses, Ltd., Graham Street, City Road, London, N., and they show in this issue how effective an article it is to introduce to customers.

EBOR PARCEL-SEALS.—In these days when retail chemists, like others, must save money even in small things, they will find it an advantage to use these parcel-seals, produced by Mr. W. Sessions, printer, York, which replace wax and twine.

SLIP-LABELS DEARER.—In consequence of the increased cost of production and the still advancing price of raw materials, the minimum price for chemists' retail slip-labels have been from July 1 advanced to 1*s*. 6*d*. per 1,000 by all the chemists' label-printers.

SPHAGNOL.—The manufacturers (Peat Products (Sphagnol), Ltd., 18 Queenhithe, London) address a special note to the retail trade in regard to the demand by hospitals, doctors, and nurses for Sphagnol soaps and ointments, and invite the co-operation of chemists.

FELICE, BONAVENTURA & CO., 98 Great Tower Street, London, E.C., as agents for the chemical-works of A. W. Schwarz in Switzerland, hold stock and can supply samples and prices of synthetic and other chemical products, including perfumes, made by the firm.

SANATOGEN.—The property in this country of A. Wulfing & Co., makers of sanatogen, whose business is being wound up under the Trading with the Enemy Amendment Act, is for sale. It includes the leases of premises near Penzance and in Chenies Street, Bloomsbury, W.C., and stocks of sanatogen, formamint, albulactin, and cystopurin.

WILLIAM RANSOM & SON, LTD., Hitchin, have added a hundred acres to their herb farm in the neighbourhood. The object is to increase the cultivation of medicinal plants. They inform us that this year's belladonna crop is up to the average, and the henbane crop is better than last year's. The lavender looks right, but the peppermint crop is low.

FRESH PLANT TINCTURES.—Keene & Ashwell, Ltd., homœopathic chemists, 6 South Molton Street, New Bond Street, London, W., are supplying homœopathic tinctures made in their own laboratory from the fresh plants of *Clematis erecta*, *Eupatorium purpureum*, *Medicago sativa*, *Scutellaria lateriflora*, as well as others. Hitherto such tinctures have generally been imported, but the war has given Keene & Ashwell the opportunity of using the fresh-grown plants, and the effort deserves trade support.

FRANCIS NEWBERY & SONS, LTD., Charterhouse Square, London, E.C., reach the 170th anniversary of the foundation of their firm on Saturday, July 8. For ten years the directors entertained the whole of the staff to a river-trip, or an outing of a similar character, but, owing to the disturbed state of affairs at the present time, this idea has been abandoned for this year. Nevertheless, the fact remains that this business, established in 1756, is still going strong.

THE CHEMISTS' EMULSION is manufactured by Cupal, Ltd., Blackburn. It is an effectively compounded emulsion of cod-liver oil excellently put up ready for sale. We learn from the manufacturers that in spite of the scarcity and cost of cod-liver oil the emulsion maintains its popularity very well indeed. Cupal, Ltd., ensure that the retail sale of the emulsion is confined to pharmacists, which gives it an extra consideration for support by retailers. The wholesale prices are 7*s*. per dozen for the 10½*d*., 12*s*. for the 1*s*. 6*d*., and 20*s*. for the 2*s*. 6*d*., these prices being subject to 10-per-cent. discount when paid for within fourteen days, and carriage is paid by Cupal, Ltd., on a 2*l*. order, with or without other goods.

SIR JESSE BOOT is a member of the Sub-Committee which has been set up by the Committee appointed by the Faculty of Insurance to inquire into the desirability of associating employers with the administration of the Act, from which at present they are excluded, although large contributors to the funds.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," June 21, 1916.)

Device composed of letters "C B"; for all goods (1, 4, and 6). By Cookson, Budd & Co., Ltd., Dean Street, Newcastle-on-Tyne. 372,887/8/9.

"CRESOLIA"; for all goods (2). By H. E. Hope & Co., 22 Billiter Buildings, E.C. 370,953.

"REGELIN," for liniment (3); "REGESAN," for goods (12). By Regesan, Ltd., Nottingham. 371,742, 373,155.

"ZORGON"; for ointment (3). By the Steamship Specialities Supply Co., 109 Fenchurch Street, E.C. 372,164.

"ANGA" and "SPRUTOL"; for medicinal chemicals (3). By A. Mijnhardt, 36 Woudenbergscheweg, Zeist, Holland. 372,573/575.

"ZA-VE-LA"; for a toilet-preparation (48). By Fisher & Co., Leamington Spa. 372,655.

(From the "Trade-marks Journal, June 28, 1916.)

"PETSAV" and "SPOTS"; for chemicals for improving petrol (1). By Coal By-Products Co., 112 High Holborn, W.C. 372,313/4.

"SUDER"; for chemicals (1). By the District Chemical Co., Ltd., 1 Fenchurch Avenue, E.C. 372,895.

Heart-shaped device and words "HEART BRAND"; for chemicals (2) and for goods (4). By Duckworth & Co., Manchester. 372,957/8. (Associated.)

"FLYTOX"; for chemicals (2). By Heppell & Co., 164 Piccadilly, London, W. 373,199.

"NEOSOL"; for surgical antiseptics (3). By Lysol, Ltd., 9 and 10 St. Mary-at-Hill, E.C. 372,392.

"KALTAK"; for an external medicine (3). By E. Jones, Hanley, Stoke-on-Trent. 372,425.

"BISOLAC"; for an indigestion-cure (3). By the Allied Chemical Co., Harrogate. 372,704.

"BYNOGEN BRINGS HEALTH" and picture of girl bearing vase, for medicinal chemicals (3) and food-substances (42); "PORTULE," for medicinal chemicals (3). By Allen & Hanburys, Ltd., 37 Lombard Street, E.C. 372,877/8 (Associated), 373,179.

"WINTOGENO"; for a liniment (3). By the Anglo-American Pharmaceutical Co., Ltd., 59 Dingwall Road, Croydon. 372,834. (Associated.)

"EUSALITZ"; for aperient salts (3). By R. Kego, 287 Stonelaw Road, Burnside, Rutherglen, Glasgow. 373,057. (Associated.)

Device of letters WB; for food-substances (42) and for perfumery, etc. (48). By Warrick Bros., Ltd., 6 Nile Street, City Road, N. 373,094/5.

Picture of girl with long hair holding bottle; for goods (47) and for perfumery, etc. (48). By F. S. Cleaver & Sons, Ltd., Twickenham. 371,801/2.

Classical device; for perfumery, etc. (48). By Blondeau et Cie., Ltd., 37-38 Upper Thames Street, E.C. 372,214.

"VERA"; for goods (48). By J. Hargreaves & Son, Ltd., Liverpool. 372,241.

"COBRA," with picture of same; for perfumery, etc. (48). By Blyth & Platt, Ltd., Watford. 372,915. (Associated.)

(From the "Trade-marks Journal," July 5, 1916.)

"LACTOCOL"; for a chemical glue-substitute (1). By the British Casein Co. (1911), Ltd., 24 Great Dover Street, S.E. 373,189.

"COBRA," with picture of same; for chemicals (2), medicated soap (3), and goods (4). By Blyth & Platt, Ltd., Watford. 372,911/12/13. (Associated.)

"FEBRISUM"; for medicinal chemicals (3). By S. H. Ward, 19 St. Dunstan's Hill, E.C. 372,980.

"PARASITOX"; for vermin-destroyers (3). By Heppell & Co., 164 Piccadilly, W. 373,076.

"DISPA" and diamond-shaped device; for medicinal chemicals (3). By H. Becker, 105 Upper Thames Street, E.C. 373,264.

"VICTOR," on scroll device; for medical electrical apparatus (11). By Victor Electric Co., Inc., 236 South Robey Street, Chicago, U.S.A. 370,638.

"VITIC"; for non-medicated instruments, etc. (11). By H. R. Barnes, 14 Callender Street, Palace Square, Manchester. 373,083.

"IMPERATOR"; for filtering-apparatus (18). By the London Filter and Pump Co., Ltd., 9 Fenchurch Street, E.C. 373,339.

"MALTOGEN"; for food-substances (42). By Parke's Drug-stores, Ltd., 65 Harmood Street, N.W. 372,369. (Associated.)

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

SIR RICHARD ROBINSON is one of those who were admitted on June 30 as members of the Imperial Society of Knights Bachelors.

MR. J. BEETHAM WILSON, chemist and druggist, 95 High Street, Dorking, was on July 6 invested Junior Grand Deacon in the Provincial Grand Lodge of Surrey, held at Freemasons' Hall, London, W.C.

PROFESSOR A. G. GREEN, F.R.S., in addition to taking a position with Levinstein, Ltd., Manchester, has been appointed to take charge of dyestuffs research in the Municipal School of Technology there.

MR. G. R. BAXTER, second son of the late W. S. Baxter, chemist and druggist, Bramley, has obtained the Leeds University degree of Bachelor of Dental Surgery. Mr. Baxter is the first to obtain this degree from the University.

PROFESSOR ARTHUR SMITHELLS, of the Leeds University, has been appointed to the War Office Staff, with temporary rank of lieutenant-colonel, in connection with services dealing with the application of chemical science to military purposes.

MR. HUGO WOLFF, chemist and druggist, Tottenham, a member of the Executive Committee appointed by the Pharmaceutical Associations Conference, has resigned, and is now on holiday. He preferred before leaving not to say anything for publication.

MR. G. F. BARRATT, manager of Quin & Axten's drug-department, 418 Brixton Road, S.W., who recently celebrated his silver wedding, was on Wednesday, June 21, presented with a handsome silver tray by the members of the "A" Company (Brixton), 1st Battalion S.L.R.V., of which Corps he is a N.C.O.

THE FUNERAL of the late Mr. C. J. G. Bunker, Twickenham (see *C. & D.*, July 1, p. 687), took place on July 1. The first portion of the service was conducted at the Parish Church, Twickenham. The coffin was then conveyed to Nunhead Cemetery, accompanied by many of the mourners in motor-cars. Besides the immediate relatives, representatives of the various organisations with which Mr. Bunker was connected were present at the church or the cemetery. Messrs. Truman, Pickering, G. J. Knight, Kutnow, Procter, and Rickford were also present. Over eighty floral tributes were received.

SERGEANT FRANK W. WATTS, of the 3rd Australian Field Ambulance, is now in this country, having served in Gallipoli, where he was wounded and had a touch of dysentery. The Sergeant is a chemist and druggist. He was apprenticed to Mr. G. V. Ball, Banbury, after which he was with Burgoyne, Burbidges & Co., and passed the Minor examination in February 1881. He went out to India to take a position in Messrs. Bathgate's laboratory in Calcutta, and while with them joined the Army. He was an explosives expert in the Royal Engineers, and served in India and China, for which he holds medals. Subsequently he was for five years with Dakin Brothers in Hong-Kong, after which he returned to India, and in 1911 went out to Australia, registering in Victoria and Tasmania. Until the war broke out he was relieving man for Rocke, Tompsitt & Co. At present he is acting at a military depôt in England as a dispenser.

SERGT. WATTS.

New Books.

Indian Forest Memoirs. Vol. I., Part I., "*Pinus Longifolia*, Roxb.," by R. S. Troup, F.C.H. 12 × 9¾. Pp. 126 + 23 plates. 7*s*. 6*d*. (Superintendent of Government Printing, Calcutta.)

Indian Forest Records, Vol. V., Part VII., "Note on the Economic Uses of Rosha Grass (*Cymbopogon Martini*, Stapf.)," by R. S. Pearson, I.F.S., F.L.S.; and "Note on the Constants of Indian Geranium Oil (*Motia*)," by Puran Singh, F.C.S. 9⅝ × 7. Pp. 50 + map. 2*s*. 3*d*. (Superintendent of Government Printing, Calcutta.)

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., July 6, 5.30 p.m.

THERE is no general improvement in business to chronicle. Half-yearly stocktaking keeps many buyers off the market; speculation is dead for the moment, and the Franco-Belgian fighting affects buying, while the prospects as regards American chemicals are too uncertain to warrant anything but hand-to-mouth business. Very little milk-sugar is coming in for general trade, most of it being tied up, hence extreme prices. Japanese camphor in slabs continues to improve, and it is thought prices will go considerably higher, as a speculator has now cleared out who weighed the market down. Potashes, both American and Montreal, show signs of a welcome break. Juniper-berries are reported very scarce both here and on the other side, so is colchicum-corm, and Tripoli cut orange-peel is almost certain to improve in value. Below we indicate other changes of the week.

Higher	Firmer	Easier	Lower
Benzoic acid	Barbitone	Coriander-seed	Castor oil (English)
Camphor (Jap. slabs)	Cocaine	Cream of tartar	Coriander
Eucalyptus oil	Orange-peel (Tripoli cut)	Fenugreek-seed	Ipecacuanha
Guaiacol carbonate		Formaldehyde	Liquorice-juice
Juniper-berries		Menthol	Pimento
Liquorice-root (Natural)		Potashes (Montreal)	Salicylic acid
Milk-sugar		Quinine sulphate	Turmeric-root
Quicksilver		Tartaric acid	Vanillin
Sulphur-flowers			
Sulphur-roll			

Cablegram.

NEW YORK, July 5,—This is a quiet market. Curaçao aloes is firmer at 10c. Oil of white birch lower, $2.65. American saffron higher, $1.80. Buckthorn is lower, 46c. Buchu-leaves are also cheaper, $1.30 being wanted for long and $1.18 for short. There is no change in oil of peppermint or menthol.

ACETIC ACID.—Glacial in carboys is 3*s*. to 3*s*. 6*d*. per lb. spot, and 2*s*. 10*d*. to 3*s*. forward.

ACETYL-SALICYLIC ACID.—The quotations lack firmness, and range from 44*s*. to 47*s*. 6*d*. per lb.

AGAR-AGAR as imported is quoted 2*s*. 7*d*. per lb.

ALOES.—Sales are reported of Curaçao at 75*s*. to 80*s*. per cwt.

AMIDOPYRIN is 65*s*. per lb.

ANISEED is slightly easier at 53*s*. 6*d*. per cwt. for good Spanish on the spot.

ANISEED OIL remains at 3*s*. 6*d*. per lb. spot. No forward business reported.

BARBITONE.—Firmer and scarce for delivery; importers' price 75*s*. to 80*s*. per lb.

BELLADONNA-ROOT.—The price of drug-testing 0.5 per cent. alkaloids is reported to be 7*s*. per lb.

BENZOIC ACID.—From 25*s*. to 26*s*. net per lb. is now wanted for ex toluol acid.

BICHROMATES.—Potash salt 1*s*. 9*d*., and soda 1*s*. 7*d*. per lb.

BROMIDES have touched bottom prices, it is believed, and holders are not selling below the Convention prices quoted herein last week, the potash price, 14*s*. per lb., being the parity basis.

CAFFEINE.—The English alkaloid is 30*s*. per lb.

CAMPHOR.—150 cases of Japanese refined in slabs sold at 1*s*. 9¼*d*.; sellers are firm at 1*s*. 9½*d*., prompt or on the water at 1*s*. 8¾*d*., ¼-oz. spot 1*s*. 11*d*., and 1-oz. 1*s*. 10½*d*.

CANARY-SEED is rather easier at 67*s*. to 69*s*. per quarter for ordinary to good Morocco on the spot. New crop good Morocco has been sold at 62*s*. 6*d*. per quarter c.i.f. terms for July-August shipment.

CARAWAY-SEED is firmer at 95*s.* per cwt. for fair Dutch on the spot.

CASTOR OIL.—English-made oil continues its downward course, and Hull is a pressing seller. Medicinal in barrels is quoted at 57*s.* 6*d.* per cwt. spot.

CHAMOMILES are generally inquired for, in fact wanted badly. The few bales on spot are held for extreme prices. The now crop is likely to be late this year.

CHIRETTA is in fair inquiry, 8*d.* to 8½*d.* per lb. being the price.

CITRIC ACID.—Slow, and at from 3*s.* 8*d.* to 3*s.* 9*d.* per lb.

COCAINE.—Firmer, at 20*s.* 6*d.* per oz. net for hydrochloride, and more wanted.

CODEINE is 22*s.* per oz.

COD-LIVER OIL.—Our Bergen correspondent, writing on June 26, says: The Finmarken cod-fishing is now definitely closed. Last week gave quite unexpectedly good results for this fishing, and the total results are now for the Finmarken district:

	1912	1913	1914	1915	1916
Cod (millions) ...	36.7	34.8	23.5	16	9.9
Cod-liver oil (hect.)	29,000	22,700	14,300	11,350	10,400

For all the Norwegian cod-fisheries the statistics are:

	1912	1913	1914	1915	1916
Cod (millions) ...	99.2	76	81.5	66.8	51.4
Cod-liver oil (hect.)	76,200	48,300	57,200	52,900	60,000

The season is characterised by two features—extraordinary fatness of the cod's liver and an irregular development of the fishing, especially on Finmarken. On the oil-market the situation is quite unchanged. Small lots of non-congealing cod-liver oil are offered at about 600*s.* per barrel f.o.b. Bergen. On the London market Norwegian oil is exceedingly slow of sale, and prices range from 440*s.* per barrel for 1915 oil to 490*s.* for 1916.

COLCHICUM-CORM is badly wanted; 4*s.* 6*d.* per lb. is the price.

CORIANDER-SEED shows a further decline on the spot; 20*s.* per cwt. is quoted for good Morocco.

CREAM OF TARTAR, 98-per-cent., is a turn easier at 202*s.* 6*d.* per cwt.

CUMIN-SEED is slow of sale. A small parcel of new crop Morocco has been sold at 80*s.* per cwt., but there is no demand for shipment, which is offered at 69*s.* per cwt. c.i.f. for July-August steamer.

DILL-SEED is to be had in limited quantities at 28*s.* 6*d.* per cwt. on the spot. For shipment the quotation is reduced to 22*s.* per cwt. c.i.f. terms.

ERGOT OF RYE.—Russian 2*s.* 3*d.* per lb., and Spanish 2*s.* 6*d.* nominal.

EUCALYPTUS OIL.—Dearer at 2*s.* 6*d.* per lb. net for oil of 60 to 65 per cent. eucalyptol in original tins.

FENNEL-SEED is still quoted 30*s.* to 32*s.* 6*d.* per cwt.

FENUGREEK-SEED is easier at 14*s.* 6*d.* for fair Morocco.

FORMALDEHYDE.—Weaker, at 95*s.* to 100*s.* per cwt.

GUAIACOL CARBONATE.—Very scarce, at 100*s.* to 105*s.* per lb.

HONEY.—The trans-Atlantic freight for this article is now 15*l.* per ton; and the price for honey in the West is for average Pile 3 40*s.* per cwt. c.i.f.

HYDROQUINONE.—The quotation is 35*s.* per lb., with higher rates for bottled goods.

IODIDE.—Japanese potassium iodide is 12*s.* 6*d.* per lb. c.i.f.

IPECACUANHA.—Some good arrivals this week, but the business is quiet, and prices remain about the same, viz.: Rio 14*s.* 6*d.* to 15*s.* per lb. spot, Minas 13*s.* 6*d.* to 14*s.*, and Cartagena 10*s.* 3*d.* to 10*s.* 6*d.*

JUNIPER-BERRIES are again higher on the spot at 30*s.* per cwt. Stocks are very small.

LANOLINE.—An English maker offers the hydrous at 2*s.* 1*d.* per lb. and anhydrous at 2*s.* 9*d.*

LINSEED is very slow of sale, the price of good quality is 75*s.* to 80*s.* per quarter.

LIQUORICE.—Sales of cut Decorticated (Italian) *Root* have been made at 105*s.* per cwt., at which figure there is more available. Common Natural is very scarce, and is offering sparingly at 60*s.* *Extract* (block-juice) has had a sharp drop, and is being offered at 130*s.* to 180*s.*, according to quality.

MENTHOL.—Cheaper here, but firmer in Japan. Privately, little is doing at 11*s.*, at which price up to 11*s.* 3*d.* plenty could be found on the spot. For July-August shipment 9*s.* to 9*s.* 10*d.* c.i.f. is wanted. Yesterday's arrivals amounted to 105 cases.

MILK-SUGAR is dearer at 150*s.* per cwt., and for one well known Dutch brand 155*s.* is asked.

MINT OIL.—For spot Kobayashi dementholised 3*s.* 7*d.* is wanted, and 3*s.* 6*d.* for Suzuki on the spot: forward 3*s.* c.i.f. Japan wires "firmer," but this is not credited here. The arrivals are 113 cases.

MORPHINE.—Makers have met easily a big demand for war purposes. The price for hydrochloride remains at 13*s.* to 15*s.* 6*d.* per oz.

MUSTARD-SEED has dropped in price considerably, and can now be bought at about 55*s.* per cwt. for fair English yellow.

ORANGE-PEEL.—There is more inquiry for the Tripoli finely cut, and business has been done at 1*s.* 9*d.* per lb., but generally 1*s.* 10*d.* is asked. For the French "Vermicelli" variety 1*s.* 8*d.* is wanted.

PHENACETIN is in good inquiry, with sales at 85*s.* per lb.

PIMENTO.—Demand diminished; price now 3*d.* per lb.

POTASHES are being more freely offered from the other side; 140*s.* per cwt. is quoted for first sorts American, and 180*s.* for first sorts Montreal prompt shipment, ex wharf London; spot is consequently easier at 200*s.*

POTASSIUM PERMANGANATE is quoted between 8*s.* and 8*s.* 3*d.* per lb.

QUICKSILVER.—To-day the chief importers of quicksilver put up their price by 1*l.* a bottle to 17*l.* 15*s.* per bottle. Second-hand lots are very scarce.

QUILLAIA.—The Liverpool price for whole bark on the spot is 38*l.* 10*s.* to 39*l.* per ton. Nothing is offering to arrive; shippers' last indication of price was 40*l.* The freight-charge from Valparaiso is now 20*l.* per ton.

QUININE seemed lifeless up to yesterday, when American news hardened the price of sulphate at 3*s.* per oz. net, and hydrochloride at 3*s.* 9*d.* to 3*s.* 10*d.* In the absence of American confirmation the market closes without change.

SALICYLIC ACID.—Powder, both English B.P. and U.S.P., is lower at between 11*s.* 6*d.* and 13*s.* per lb., but for crystals testing U.S.P. 15*s.* 9*d.* to 16*s.* is wanted. The soda salt of U.S.P. quality is 16*s.* 6*d.*

SHELLAC.—The demand is quiet. TN has sold at 94*s.* for fair, 107*s.* 6*d.* for fine, and 115*s.* to 120*s.* for fine Orange. Futures are firmer.

SILVER PROTEINATE.—There is a good export demand for this and allied products, the price for 1-oz. bottles of proteinate being 2*s.* per oz., and for large parcels 21*s.* per lb.

SQUILL seems a little plentiful, and we hear of one or two parcels just landing. Fair white is quoted round about 80*s.* per cwt., and a little off colour a few shillings loss.

SULPHUR.—Flowers and Roll are both higher at 14*l.* 10*s.* per ton net, stocks being low and demand good.

TAMARINDS.—Very quiet. Black Calcutta quoted at 28*s.* per cwt., and fair West Indians (duty paid) 24*s.*

TARTARIC ACID is being rather pressed for sale, and sellers have given way somewhat; 3*s.* 7*d.* per lb. is generally asked, but for round quantities 3*s.* 6*d.* has been accepted.

TURMERIC-ROOT.—Much easier owing to heavy arrivals, and offers by buyers are wanted.

VANILLIN.—Lower, at 36*s.* 6*d.* spot. June-July delivery 36*s.*, August-September 35*s.*

WAX (BEES').—Firm, 8*l.* per cwt. being wanted for Jamaica, 7*l.* 10*s.* to 7*l.* 12*s.* 6*d.* for East African, and 7*l.* 12*s.* 6*d.* for Morocco

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets, under date of May 15 and 18:

AMMON. CHLOR.—Crystals have been advanced by the makers to m.75 to m.80 per 100 kilos. for c.p. quality.

AMYL PREPARATIONS have advanced, technically pure amyl acetate being m.495 per 100 kilos., and chemically pure m.525, being m.20 higher.

BALSAMS.—Copaiba is m.6 per kilo. The demand for *Peru* has fallen off; it is quoted at from m.54 to m.55. The artificial product, "perugon," is asked for in large quantities. *Tolu* is slightly higher again, in consequence of increasing demand; the actual price is from m.9 to m.9.50.

BORAX AND BORIC ACID are getting very scarce; the demand is extremely active, and prices are advancing continually.

CALCIUM CARBONATE has advanced considerably, light commercial being quoted at from m.28 to m.30 per 100 kilos.

CALUMBA.—In very active demand, and m.100 per 100 kilos. wanted.

CAMPHOR.—Synthetic is obtainable again in small quantities at from m.18 to m.20 per kilo.

COCAINE is rather neglected at from m.210 to m.220 per kilo. for hydrochloride.

CONDURANGO is firmer, in consequence of increased demand, at from m.150 to m.160 per 100 kilos.

ELEMI.—The demand remains very active, and the price is high at about m.5 per kilo.

FENUGREEK.—The inland stocks are rapidly diminishing, and prices have advanced repeatedly to from m.240 to m.250 per 100 kilos.

FORMALDEHYDE.—As raw material is getting very scarce, the remaining stocks are reserved on behalf of the Army; 40-per-cent. volume is from m.85 to m.90.

GUAIACOL PREPS. have advanced by a few marks per kilo.; liquid guaiacol is m.13.25, and crystals m.14.50 per kilo. Potassium sulphoguaiacolate, m.11 per kilo.

GUM ARABIC.—The demand still holds, and m.405 to m.410 per 100 kilos. has been paid for natural Kordofan, as well as m.420 to m.440 for better qualities.

HELIOTROPIN is still quoted at m.35 per kilo.

IPECACUANHA.—Rio is m.60 per kilo. and Cartagena m.55.

JALAP is very active, and the price is still advancing.

MENTHOL.—The demand has increased, in consequence of the lower prices; from m.50 to m.50.50 is quoted. Siberian *Pine-needle* oil is m.8, and *Sandalwood* m.63 per kilo.

OILS (ESSENTIAL).—The demand for *Star anise* has fallen off, and owners are inclined to sell it at m.17. *Bergamot* is m.45, and *Clove* m.30. *Eucalyptus* globulus, m.8.50. Ceylon *Lemongrass* is only to be had in small quantities at m.8.

OLIBANUM is being used as a substitute for colophony, and m.150 to m.200 per 100 kilos. has been paid.

OPIUM is easier, and offered in large quantities at from m.50 to m.58 per kilo., according to test.

POTASH PERMANG.—Only second-hand is obtainable in very small quantities at between m.225 and m.250.

POTASH SALTS.—According to a report of the "Consolidierte Alkaliwerke Westeregeln," the condition of the potash-industry is very unsatisfactory. The sales of the Potash Syndicate had already decreased from 11,100,000 dz. K_2O, of a total value of m.193,000,000, to 9,000,000 dz. K_2O, of a total value of m.156,000,000, in 1914. The number of firms that have joined the Syndicate has advanced from 193 to 204.

QUILLAIA is firm and in active demand, cut being quoted at from m.265 to m.270.

RHATANY is firmer at m.200 per 100 kilos.

SILVER NITRATE is to be had in very limited quantities only at m.95 per kilo.

TARTARIC ACID is quiet at from m.13 to m.13.25 per kilo.

VANILLIN is quiet at m.105 per kilo.

WAXES.—Bees' is firm but quiet, with large quantities offering. The demand for Carnauba and Japanese has fallen off, on account of the high prices.

THE ADVANCED PRICES of chemical and medicinal products, which the Dutch trade protested against, are also objected to by the Swiss Government, and even the Austro-Hungarians are strongly opposing the increased prices, general indignation at the German advances being expressed. So far as Austria-Hungary is concerned, the objections are elaborated in the "Zeitschr. d. Allg. Oesterr. Apoth. Vereines." As regards the latter, it is reported that, under the treaties between the two empires, a conference has been held in Berlin in regard to the matter, and at this the difficulties respecting the exportation of German chemicals were in a measure removed, so that private pharmacists, who before the war were in the habit of buying pharmaceutical products in Germany, may now continue to do so, provided their old orders are not exceeded, and the buyers will be permitted to sell some of the purchases to brother-pharmacists. It appears, however, that no reduction in the prices has yet been obtained. In this connection the following contrast of the "Taxe" (Insurance dispensing) is interesting:

—	Grams	Prime Cost in hellers (10=1*d.*)	"Taxe" Price in hellers
Amidopyrin	10	217	111
Ammonium bromide	10	104	16
Antifebrin	10	23	11
Cod-liver oil	100	180	76
Hyoscyamus oil	100	150	92
Ichthyol	10	103	78
Oil of theobroma	10	60	15
Olive oil	100	140	86
Potassium bromide	10	80	14
Pyramidone	10	495	420
Sesame oil	100	120	87
Sodium bromide	10	93	16

GERMAN ARTISTS are in a sad plight owing to the scarcity of fats and fixed oils. The prices of oil-colours have advanced enormously, and many colours cannot be had at all. The Berlin Society of Artists has called the attention of the Government to the fact that substitutes cannot be used for most of these oil-colours. The War Committee for the supply of vegetable and animal oils and fats has replied that as the quantity of oils needed by German artists is so small there is no objection to permission being given them to use the oils required.

Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals during the period June 21 to 27, inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—*e.g.*, cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.

Acetic acid (U.S.A.) 162 brls., (Canada) 59 brls.
Agar-agar 10
Alcohol, wood (U.S.A.) 136 dms.
Aloes (Cape) 97
Alum (Boston) 373
Ammon. phosph. 214 brls.
Anise (Russ.) 20
Annatto-seed (E.I.) 156
Antim. ore (D. Bay) 449
Antipyrin (Fr.) 4 cks.
Argol (Cape) 175 (Sic.) 135, (Port.) 180, (Sp.) 61
Arsenic (Port.) 64
Barytes (Sp.) 1,801, (It.) 1,262
Boric ac. (It.) 200 brls. 31 cks.
Bromides (Boston) 80 cs., (N.Y.) 30 cs.
Buchu 22 bls.
Calc. carbide 1,750 dms.
Calc. citrate (Sic.) 86 cks.
Calc. phosph. 600 kgs.
Camphor 240 cs.
Cantharides (Russ.) 33
Casein (Fr.) 79
Cashew-nuts 271
Castor oil (E.I.) 714 cks.
Castor-seed 9,365
Chemicals and drugs (Fr.) 126 pkgs. 20 cks. 40 cs., (N.Y.) 76 pkgs., (Boston) 56
Cinchona 32 cs., (E.I.) 85 bls.
Cinnamon oil 7 cs.
Cloves (Zan.) 12,428 bls.; clove-stems 1,403
Cochineal 18
Coconut oil 311 pps. 3,735 cs.
Cod liver oil (R'dam) 50 cs.
Copra 5,481
Corros. sul. (It.) 42 cs.
Cream of tartar (Fr.) 40 kgs.
Cumin-seed 82
Divi-divi 567
Drugs (Fr.) 28 pkgs., (Montreal) 165 cs., (N.Y.) 659 pkgs., (Phila.) 133 pkgs.
Drugs and perf. (Fr.) 50 cs.
Dyes (Boston) 45 cs.
Ergot (Russ.) 62
Essent. oils (N.Y.) 10 cs., (Sic.) 10 ½-cs.
Farina 300
Fig syrup 2,100 cs.
Formaldehyde (U.S.A.) 76 kgs. 276 brls.
Fusel oil (Russ.) 57 dms.
Galls (Fr.) 300
Geranium oil (Fr.) 11 cks.
Ginger (Jap.) 70, (Coch.) 85
Ground-nuts 1,360 bgs. 540 t.
G. acacia (Alex.) 155
G. copal 71 cs.
G. kauri 167 sks.
Gums, undescribed (Morocco) 42, (Fr.) 20 bls.
Honey (Boston) 400 brls.
Juniper-berr. (It.) 104
Laurel-leaves (It.) 184
Lavender oil (Sp.) 4 dms.
Linseed (Russ.) 292 tons
Liquorice-ju. (It.) 143 cs., (Sic.) 126 pkgs.
Liquorice-root (It.) 11
Lycopodium 137
Mangrove - bark (Zanzibar, etc.) 7,579
Menthol (Fr.) 5 cs.
Milk-sugar (N.Y.) 11 brls., (Amst.) 100 cs.
Oils, fixed: Arachis 3,250 cs. 300 cks., fish oil (Jap.) 1,850 cs., rape 3,500 cs., soya 9,200 cs.
Olive oil (Fr.) 3 cs. 9 cks., (It.) 125 cs. 142 pps. 15 ½-pps.
Orris (It.) 13
Palm-kern. 388
Pepper 261 bgs.
Petroleum emul. 1,197 pkgs.
Potash carb. (Russ.) 28
Potash (Mon.) 6 brls.
Potash muriate 16
Potash, undescribed (Fr.) 22 cks.
Roots, barks, herbs, etc. (Fr.) 10 bls.; *roots* 11 bls., *leaves* 125 bls.
Senna (Tv.) 962
Sesame-seed 12,365
Soda bichrom. 10
Soda pruss. 13 cks.
Squill 13
Sulphur 12,020 pkgs.
Sunflower-seed 287
Tartar (Fr.) 314, (It.) 41 cks.
Tartaric ac. (It.) 239 brls. 144 cks.
Theobromine (Amst.) 2 cs.
Turmeric 150
Vaseline (N.Y.) 1,064 cs.
Waters, perf. (Fr.) 12 chys.
Wax, bees' (Egypt) 43, (Mor.) 62, (Port.) 11
Wax, veg. (Jap.) 100
Whale oil 532 dms.

To Liverpool.

Acetone (U.S.A.) 489 dms.
Alumina sulph. 112
Ammon. carb. lump (N.Y.) 21 brls.
Anise (Fr.) 54
Antim. ore 255
Babassu-kernels 502
"Balsams" (N.Y.) 10 cs., (Para) 129 cs.
Barytes 1,200
Bismuth ore 284
Calc. acetate 5,048 bgs.
Calc. borate 8,931
Calc. tartrate 96
Capsicums (W.C. Af.) 932
Cascarilla (Colon) 53 bls.
Casein (Fr.) 134
Chillies (E. Af.) 30
Cloves (Zam.) 100
Coconut oil 4,477 cs. 19 pps. 76 hds.
Cod oil (Newfl.) 343 brls.
Copra 34,330
Cream of tartar (Fr.) 80 cks., (Sp.) 12
Dimethylaniline 44 dms.
Diphenylamine 40 brls.
Divi-divi 1,553
Drugs (U.S.A.) 31 cs. 61 bxs., (Fr.) 12 pkgs.
Drugs and med. stores (N.Y.) 22 pkgs.
Essent. oils (N.Y.) 53 cs., (It.) 28 cs.
Fennel-seed 154
Formaldehyde 324
Ginger (Cochin) 355, (W.C. Af.) 575
Glucose 500 brls.
Glycerin (N.Y.) 2 dms.
Glycothymoline 624 bxs.
Ground-nuts 52,266 bgs.
G. acacia (P. Sudan) 13,597 bgs.
Honey (N.Y.) 292 pkgs. (Curaçao) 16
Liquorice-ju. (Fr.) 87 cs.
Magnesite 2,900 tons
Medicinal prod. (It.) 12 cs., (Boston) 46 cs.
Molasses 418,000 gal.
Myrbane oil 10 dms.
Olive oil (Fr.) 1,460 cs.
Orchella-weed 393
Palm-kern. (W.C. Af.) 89,157 bgs. 625 t.
Palm oil 2,821 cks.
Paranitraniline 9 pkgs.
Pepper 400
Perfumery, etc. (Fr.) 43 cs.
Potash (Mon.) 10 brls.
Roots (Fr.) 11 bls.
Saltpetre 2,000
Soda bichrom. (N.Y.) 32
Soda caustic (N.Y.) 195 dms.
Soda chlorate (Fr.) 100 cks.
Soda nitrate 25,923
Soda sulphide 76 dms.
Spermaceti 100 bxs.
Tartaric ac. (It.) 24 brls.
Valonea 121 tons
Vanilla 6 cs.
Wax, bees' (W.C. Af.) 4
Wax, carnauba 64 bgs.
Wax, veget. (N.Y.) 225
Witch-hazel ext. 10 brls.

To Bristol.—Cascarilla (N.Y.) 16 bls.; valonea 127 tons. *To Folkestone.*—Drugs (Fr.) 23 pkgs.; perfumery (Fr.) 87 pkgs. *To Grimsby.*—Dyes (Dieppe) 28 pkgs.; essent. oils (Fr.) 2 pkgs.; tannic acid (Fr.) 3 brls.

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Imported Products.

SIR,—The sale of any and every country's preparations, whether toilet or medicinal, is by no means uncommon, even in benighted England, much less in the enlightened city of Glasgow, as mentioned on p. 37 of your July 1 issue. Many a pharmacist who has moaned and bewailed the former cutting of prices of patent medicines even now lends an ever-ready ear to the wiles of the Yankee representative and expresses his willingness to devote the most valuable of his window and counter space to displays of the preparations of foreign manufacturers. Will the present-day "Knight of the Pestle and Mortar" ever regain his lost position and secure the confidence of the public by being able to say, "I know this to be a thoroughly reliable preparation suitable to your requirements, because I made it myself"? Yours faithfully,

July 1. C. T. (4/71).

Minimum Prices in Edinburgh.

Calton Hill (6/43) is amused by the attempt of the Edinburgh Chemists' Trade Association to stop the sale of drugs in pennyworths, because pharmacists of the calibre depicted by Mr. Brown could surely find something less *infra dig.*, something more elevating than taking up their attention with pennyworths. It is also insincere, because the recommendation will not be acted upon, as witness the abortive attempt to close at 8 P.M. He suggests that the Association should get to the root of the trouble by beginning with wholesale houses that supply small shopkeepers with the pennyworths that registered chemists have to compete against in certain districts. After all, it is a question of district, he concludes.

Stock Mixtures.

SIR,—I have tested another five of the Insurance stock mixtures, and append the results:

Mist. Ferri et Quassiæ.—After seven days all right.
Mist. Potass. Brom.—After seven days a growth formed.
Mist. Potass. Iodid.—After four days decomposition takes place. After seven days it is not fit to send out.
Mist. Ferr. Arsen.—After seven days all right.
Mist. Ferr. et Am. Cit.—After seven days all right.

Where 5 minims emuls. chlorof. is used the mixture mostly goes wrong. The remaining stock mixtures, containing mostly insoluble drugs, would be difficult to check; so far I must regard them as passable. The Secretary of the Pharmaceutical Society appears to have insisted that emuls. chloroformi should be used in the mixtures instead of chloroform-water, which the British Medical Association preferred. My experiments demonstrate that the B.M.A. is right and the Secretary wrong. Yours truly,

PANEL CHEMIST. (247/39.)

The P.A.T.A. and Poor Profits.

SIR,—The reply of the P.A.T.A. Council to the Local Associations who complain of the inadequacy of the profit on certain proprietaries is altogether off the point. That the average profit is fairly good is no answer to the fact that on some articles it is wretchedly poor, for it is not the average profit that is complained of, and admittedly the sale of some of the unremunerative articles is much greater than that of others which bear a good profit. To deny that the P.A.T.A. has deserved well of pharmacists, and ought to be more generally supported than it is, would be absurd, but we have good reason to demand that no article should be admitted to its List which does not bear a profit sufficient to make it in and by itself worth handling. It is not fair to more liberal proprietors to admit such articles, and I do not doubt that it deters many retailers from joining the Association. It is true that the number of retail members increases, and I am glad of it; we want retailers to possess a preponderating influence on the Council; we should then get better terms; but meanwhile the best policy would be not to admit as members proprietors whose illiberality prevents retailers from joining. Their presence is almost as great a bar to the full success of the Association as is the fact that some of the biggest firms remain obstinately outside. If I were a proprietor I should object strongly to being listed along with them.

Yours truly,

C. F. O. (4/60.)

Army Dispensers.

SIR,—*Re* your Editorial last week. My personal experiences may serve to bear out your argument. I am a Major man, unmarried, thirty-two years of age. I was holding a responsible post, but in the early days of the war I offered my services as a dispenser both to the local recruiting officer and direct to the War Office. No result. Lately, being called up as a conscript, and after being bullyragged and cursed at one recruiting office and another, I got gracious permission to apply again for the position in which I should be of most use to the country—viz., dispenser in either Army or Navy. As regards the Army, after the usual decorous interval, I received a reply stating that there were no vacancies in the R.A.M.C. The Navy business was quite exciting in its way. Town A recommended me to write Town B; B referred my case to Town C; C thought the best place to communicate with was the Naval Hospital at D. I wrote D, and when a week had passed without a reply I sent a prepaid telegram. D said, "Apply to E," which I did by wire. Reply, "No vacancies." I then joined the Navy as seaman. The day afterwards I got a telephone message from a Labour Exchange intimating that over 100 chemists were required for work in a munitions-factory, and a few days later saw the application you quote for chemists to serve in Mesopotamia. Result of the muddle: I shall be swabbing down decks (which personally I do not mind in the least), while some expert who dimly realises that one No. 5 pill *plus* one No. 4 pill is equivalent to one No. 9 pill will be most efficiently serving his King and country by being taught gratis by the State the rudiments of a profession.

Yours faithfully,

Baildon, Yorks. A. ROBINSON.

R.A.M.C. rank-and-file were also asked to offer themselves for the service. Qualified men or those with three or four years' experience of dispensing were wanted. So *One of Them* (5/96) informs us.

A. M. (5/17) says: "I quite agree with the spirit of your Editorial. The order for 100 men came to Harrogate on Wednesday, June 28. A few men who had been temporarily exempt put their names down for the work."

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Appreciations.

A provincial correspondent (243/33) writes: "The *C. & D.* is our staff of life here, and Friday is the most-looked-for day of the week, for we get it then."

A Scottish Pharmacist (95/19), in renewing his subscription, says: "I have read the *C. & D.* with pleasure and profit since I started my apprenticeship, now twenty-five years ago."

A Provincial Firm (97/32) sending renewal subscription writes: "We are necessarily cutting down some subscriptions, but to omit this would be false economy. 'Business as usual' in this matter is essential; in fact, we should feel lost without it."

W. R. W. (226/55) writes: "I take this opportunity of saying that the *C. & D.* is even worth more than before now in these days of changing prices. I've saved pounds through information given in the *C. & D.* even on proprietaries the owners of which have failed to acquaint us of new prices."

Boxwood Hair-tonic.

Boxwood (7/14) sends a formula containing boxwood shavings, spirits of nutmeg and rosemary, and proof spirit. He has heard that it is of value as a hair-restorer, and passes the query on to us. Our own opinion is that the action of such compounds is due to the alcohol and essential oils, which may dissolve deposited matter, while the essential oils are of antiseptic influence. Have any of our readers experience of this formula?

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

Donum (1/10).—The label does not make the syrup liable to medicine stamp-duty. So far verbal recommendations have not been used as a basis of duty, but such recommendations may be a "public notice" as mentioned in the General Charge of Duty.

P. O. (258/42).—Your apprentice is entitled to payments due by you to him although he has been absent from business for four months owing to illness, and was receiving insurance sick-pay in consequence. Employers who desire to discontinue payment of their employés' wages during sickness should have an arrangement whereby the employment ceases on a certain date after illness commences. It is necessary for you to stamp the Insurance card of your employé during his illness.

Parex (258/14).—The time spent by a person as an apprentice to a limited company carrying on business in Ireland as pharmaceutical chemists does not come within the regulations of the Pharmaceutical Society for the Licence examination, as the apprenticeship must be to an individual. The fact that the shareholders of the company which you mention are a pharmaceutical chemist and an apothecary does not alter the fact that in law the business belongs to the limited company, and the apprenticeship was to that company, and not to either of the individual directors.

Max (6/42) writes: "You recently answered the question, 'Can an unqualified person, a contractor under N.H.I., charge for B.P. mixtures without dispensing-fee?' by saying he was entitled to payment without fee. The Durham County Committee have disallowed prescriptions for B.P. mixtures, emulsion of cod-liver oil c. hypophos. B.P.C., the number being equal to 50 per cent. of the prescriptions sent in. Can anything be done to recover this loss?" [The contractor must prove to the Committee that the supply of these preparations was in accordance with his contract with the Committee, and is not dispensing the articles, being ready-made compounded articles purchased by the contractor and sold by him.]

Acegas (97/38).—No preparation containing less than 5 per cent. of free ammonia or 3 per cent. of carbolic acid is legally poisonous. Dilute sulphuric acid and spirit of chloroform are not poisons. The alterations made by the B.P. 1914 were given in the *C. & D. Diary*, 1915, but a few changes have been made since *e.g.*, it was reported in the *C. & D.*, June 3, p. 51, that the Editors of the B.P. discovered a misprint on page 29, under the heading "Adeps Lanæ." In the eighth line from the foot of the page, for the words "0.2 gramme" should be read the words "2.0 grammes." Guttæ ferri chlorophosphatis, P.F., p. 886, is not a scheduled poison. For the sale of medicines containing alcohol a spirit-licence is not necessary, but it would be if the medicines were sold as beverages, and not for the "sick, lame, halt, and distempered."

Miscellaneous Inquiries.

Saron (252/29).—FLOATING SOAP.—The floating property of this kind of soap is due to the incorporation of air in the "crutching" stage of manufacture. The stock from which it is made contains 20 to 25 per cent. of coconut oil, with tallow, oleo-oil, or cottonseed oil. The incorporation of air is effected by reversing the driving-belt of the crutchers, the soap becomes white in the process, and increases in bulk. Free alkali is removed by adding the calculated quantity of boric acid, stearic acid, or oleic acid to the soap at this stage, and the perfume is incorporated just before "framing." The following are the usual perfumes employed:

I.		II.	
Ol. lavand. ...	8 parts	Ol. rosmar. ...	3 parts
Ol. thymi alb. ..	2 parts	Ol. lavand. ...	16 parts
Ol. rosmar. ...	4 parts	Ol. thymi alb....	1 part
Ol. citronell. ...	3 parts	Safrol ...	10 parts
		Ol. citronell. ...	2 parts

D. D. (248/58).—BOOKS ON PATHOLOGY.—W. S. Lazarus-Barlow's "Manual of General or Experimental Pathology" (21*s.*); J. Coats' "Manual of Pathology" (28*s.*); R. T. Hewlett's "Pathology, General and Special" (10*s.* 6*d.*); G. McConnell's "Manual of Pathology" (12*s.*).

F. X. (250/58).—We do not know the composition of the pomade you mention.

Chlorine (259/50).—You will find full particulars in regard to EUSOL in the *C. & D.*, July 31, 1915, p. 144. A litre of the solution is made by adding 12.5 grams of bleaching-powder to a litre of water, shaking well, then adding 12.5 grams of boric-acid powder to the mixture. Shake again, allow to stand overnight, and filter.

H. A. M. (6/61).—A 5-per-cent. SOLUTION OF BETA-EUCAINE for surgical operations and for intravenous injection should be made with sterilised normal saline solution—11 gr. of sodium chloride in 4 oz. of sterilised distilled water.

W. R. W. (250/42).—We have no recollection of the offer of sticklac insects to which you refer.

J. G. G. (91/19).—SULPHO-RICINOLEATE OF SODA, or Turkey-red oil, which it has been suggested would be useful in certain cases as a substitute for glycerin, is best made on a small scale by the method devised by Mr. W. A. H. Naylor, and communicated to THE CHEMIST AND DRUGGIST many years ago:

Take 1 lb. of castor oil, and add to it gradually, with continuous stirring, 2 oz. by weight of sulphuric acid. This part of the process will occupy several hours, and should be timed so as to be finished towards the end of the working day. In the morning introduce in the same manner 1 oz. by weight of the acid or a sufficiency. The point of finality is reached when the product remains clear or, as is generally the case, is only faintly opalescent when diluted with forty times its volume of distilled water. The application of a suitable amount of heat is favourable to the reaction, but the heat should not be allowed to rise to 120° F. When chemical combination is complete the product is at once intimately mixed with one and a half times its weight of distilled water, and allowed to stand until separation into two distinct portions has ensued. The supernatant and oily layer is then removed and neutralised with a 10-per-cent. aqueous solution of caustic soda. This soda-compound is shaken up with five times its volume of proof spirit and set aside, when any free oil will rise to the surface. The lower and spirituous portion is then evaporated to a thick liquid. The free acid (sulpho-ricinoleic acid) may be obtained by decomposing the soda-compound with hydrochloric acid.

F. P. (7/22).—EXEMPTION FROM MILITARY SERVICE.—It is a common condition attached to exemption of chemists and druggists from military service that the exemption is for the duration of the occupation in respect to which the exemption was granted. Consequently, if A leaves his present position his exemption will cease, and in another locality he may not have the advantage of the support of the Insurance and Pharmaceutical Committees, who have arranged most exemptions.

J. C. G. (Madras) (152/7).—CONSTITUENTS OF CHAULMOOGRA-SEEDS.—Dr. F. B. Power and associate workers investigated chaulmoogra-seeds in 1904 and 1905. The chief results were communicated in papers to the Chemical Society (*C. & D.*, June 11, 1904, p. 926, and June 10, 1905, p. 900). The full papers are published in the "Transactions of the Chemical Society" for the years mentioned. Incidentally, the authors mentioned that the "gynocardic acid" of previous investigators was probably a mixture of several substances. It was proved also that the chaulmoogra oil of commerce is derived from *Taraktogenos Kurzii*, King, and not from *Gynocardia odorata*, R. Br., as had been assumed up to that time.

A. K. (233/38).—GAS-LIGHTER.—The self-lighting arrangements for illuminating-gas are modern applications of Dobereiner's lamp, wherein a jet of hydrogen gas is kindled by impinging upon a fragment of cold spongy platinum, which at once ignites the gas by inducing its combination with the oxygen condensed within the pores of the metal. The spongy platinum is obtained in a very active form by heating the ammonio-chloride of platinum very gently in a stream of coal-gas or hydrogen so long as any fumes of hydrochloric acid are evolved. Platinum black—another form of the metal used for the same purpose—is made by boiling a solution of platinic chloride with potassium sodium tartrate, or by dropping it into a boiling mixture of glycerin (2 parts), caustic-potash solution, sp. gr. 1.08 (2 parts), when the platinum black is precipitated. It is then filtered off, washed, and dried at a gentle heat. For gas-lighting purposes thin platinum wire or a thread of incombustible material has platinum black distributed on its surface, and this placed in the path of a jet of gas becomes red-hot and ignites the gas.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," July 14, 1866.

Slate-pencils.

The Government authorities at Cologne have issued a circular cautioning the public against variegated slate-pencils. Schweinfort green, which contains arsenic, is used for the green, chromate of lead for the yellow, and red lead for the red varieties. The circular points out the danger of this practice, especially to children, by whom slate-pencils are chiefly used.

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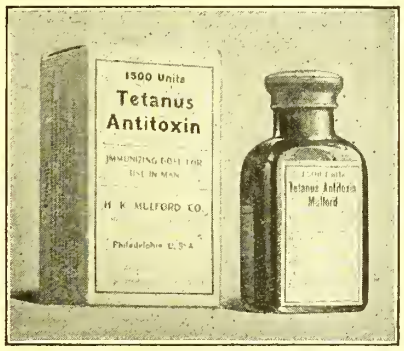

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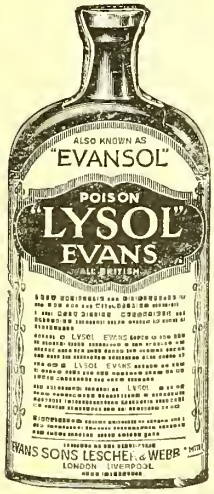

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Otto Rosæ, finest, 1 oz. @ 30/- oz.; No. 2 1 oz. @ 21/- oz.
Oxymel Scillæ, B.P., 1 cwt. @ 59/- cwt.; *7 lbs. @ 8½d. lb.

Papain, 1-80, 1 oz. @ 3/- oz.
Paraffinum Durum, B.P., 2 cwt. @ 5½d. lb.; 1 cwt. @ 6¼d. lb.; 56 lbs. @ 6¾d. lb.; 7 lbs. @ 7d. lb.; Molle Flav., B.P., 3½ cwt. @ 37/6 cwt.; 1 cwt. @ 44/- cwt.; 28 lbs. @ 5½d. lb.; 7 lbs. @ 6d. lb.; Alb. B.P., 3½ cwt. @ 7½/- cwt.; 28 lbs. @ 9½d. lb.
Paraldehyde, B.P., 1 lb. @ 17/- lb.
Pepsin, B.P., 1 lb. @ 12/- lb.
Phenacetin, P.B., pulv., 1 lb. @ 90/- lb.
Phenazone, P.B., 1 lb. @ 73/- lb.
Phenolphthalein 1 lb @ 105/- lb.
Pix, Burgund., Druggists', 1¼ cwt. @ 38/- cwt.; 7 lbs. @ 6d lb.
Plumbi Acetas, Druggists', 1 cwt. @ 120/- cwt.; 7 lbs @ 1/2 lb.; Powder, 1½d. lb. extra.
Podophyll. Resina, P.B 1 lb @ 15/6 lb.
Potassa Caustica Sticks, P.B., 1-lb. Bots. @ 14/- lb.
Potass. Acetas. Gran., P.B., 28 lbs. @ 4/3 lb.; 7 lbs. @ 4/6 lb.
Potass. Bicarb. Pulv., 4 lbs. @ 2/4 lb.
Potass. Brom. P.B., 7 lbs. @ 15 9 lb.
Potass. Chlor. Pulv., 7 lbs. @ 2/10 lb.
Potass. Cit., B.P., 7 lbs. @ 6/- lb.
Potass. Cyanidum, 98%, 7 lbs. @ 4/3 lb.
Potass. Iod., P.B., 14 lbs. @ 15/3 lb.; 3 lbs. @ 16/- lb.
Potass. Metabisulph., 7 lbs. @ 3/3 lb.
Potass. Permang., Cryst., 7 lbs. @ 8/- lb.
Potass. Prussias Flav., 7 lbs. @ 4/6 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 8d. lb.; c. Opio, B.P., 7 lbs. @ 2/6 lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 84/- cwt.
Pulv. Ipecac. Comp. P.B., 1 lb. @ 7/6 lb.
" Jalap Comp. P.B., 1 lb. @ 2/1 lb.
" Rhei Comp. P.B., 1 lb. @ 2/- lb.

Quassia Chips, 1 cwt. @ 40/- cwt.; 28 lbs. @ 5d lb.
Quinine Bisulph., 10 oz. @ 4/3 oz.
Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.
Quinine Hydrobromas, B.P., 25 oz. @ oz.; 10 oz. @ oz.
Quinine Hydrochlor., B.P., 25 ozs. @ 4/6 oz.; 10 ozs. @ 4 8 oz.
Quininæ Sulph., B.P., 100 oz. @ 3/2 oz.; 25 oz. @ 3/4 oz.; 10 oz. @ 3/5 oz.

Rad. Gentian, English Ground, 1 cwt. @ 118/- cwt.; 7 lbs. @ 1/2 lb.
Rad. Glycyrrh. English Ground, 1 cwt. @ 72/6 cwt.; 7 lbs. @ 9d. lb.
Rad. Ipecac. Rio., 1 lb. @ 22/-.
Rad. Jalap, English Ground, 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/8 lb.
Rad. Rhei., E.I., English Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
Rad. Rhei. E.I. Trimmed, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Resorcin, B.P., 1 lb. @ 105/- lb.

Saccharine, 7 lbs. @ lb. ·550 or ·500, 1 lb. @ lb.
Sacchar. Ust., 1 cwt. @ 52/- cwt.; 10 lbs. @ 7d. lb.
Saffron, Valentia, B.P., 7 lbs. @ 41/- lb.; 1 lb. @ 42/6 lb.; 1 oz. @ 2/11 oz.
Sal. Acetos., 7 lbs. @ 2/5 lb.
Salicinum, B.P., 1 lb. @ 22/6 lb.
Salol, B.P., 1 lb. @ 46/- lb.
Sang. Draconis, pulv., English ground, 7 lbs. @ 2/10 lb.
Santoninum, P.B., 16 oz. @ 165/- lb.
Sapo Cast. Alb., 2 cwt. @ cwt.; 7 lbs. @ 6½d.; pulv., 1 cwt. @ 112.6 cwt.; 56 lbs. @ 1/1½ lb; 7 lbs @ 1/3 lb.; Animal pulv., 1 cwt. @ 88/- cwt.; 56 lbs. @ 90/- cwt.; 7 lbs. @ 11d. lb.
Scammony Resin, Pulv., B.P., 7 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.
Shellac (Orange), 1½ cwt. @ 100/- cwt.; 7 lbs. @ 1/0½ lb.
Soda Caustica, 6 1-lb. bots. @ 4/6 lb.
Soda Cit., B.P., 3 lbs. @ 4/11 lb.
Soda Sulphite, Recryst., 1 cwt. @ 25/6 cwt.; 7 lbs. @ 4d. lb.
Soda Sulphocarbolas, B.P., 7 lbs. @ 4/- lb.; 1 lb. @ 4 3 lb.
Sodii Bromid., P.B., 7 lbs. @ 11/- lb.
Soda Hyposulphite, pea cryst., 1 cwt. @ 22/- cwt.
Sodii Salicyl. Pulv., 2 lbs. @ 19/6 lb.
*Spt. Æther Nit. P.B., 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/10 lb.
* " Ammon. Aromat., P.B., 5 lbs. @ 3/9 lb.
* " Chloroform, P.B., 5 lbs. @ 4/3 lb.
Strontiæ Bromid., 1 lb. @ 22/- lb.
Strychnina Cryst. B.P. 4 oz. @ 3/6 oz.; Hydroch. and Sulphate, 2d. oz. less.
Sugar of Milk, P.B., 1 cwt. @ cwt.; 7 lbs. @ 1/6½ lb.
Sulphonal P.B., 1 lb. @ 38/- lb.
*Syr. Aurant, P.B., 7 lbs. @ 1/- lb.
* " Easton, B.P., 7 lbs. @ 1/3½ lb.
* " Ferri Iodid. P.B., 7 lbs. @ 1/7½ lb.
* " Ferri Phosph. Co., 7 lbs. @ 8d. lb.
* " Hypophosph. Co. B.P.C., 7 lbs. @ 1/1½ lb
* " Pruni Virg. B.P., 8 lbs. @ 10d. lb.
* " Rhamni, 7 lbs. @ 1/1 lb.
* " Rhei, P.B., 7 lbs. @ 11d. lb.
* " Scillæ, P.B., 7 lbs. @ 7½d. lb.
* " Sennæ, P.B., 7 lbs. @ 1/- lb.
Simplex, 7 lbs. @ 6½d. lb.
* " Tolut, P.B., 7 lbs. @ 10½d. lb.

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Tinct. Aurantii Recens., B.P., 5 lbs. @ 4/5 lb.; Aquos, 11d. lb.
*Tinct. Belladon., B.P., 5 lbs. @ 4/11 lb.; Aquos, 1/10 lb.
*Tinct. Benzoini Comp., P.B., 5 lbs. @ 4/6 lb.
*Tinct. Camph. Comp. P.B., 5 lbs. @ 3/1 lb.; Aquos, 1/3 lb.
*Tinct. Cantharidis, P.B., 5 lbs. @ 4/10 lb.
*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; Aquos, 11d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/8 lb.; Aquos, 1/1 lb.
*Tinct. Catechu, P.B., 5 lbs. @ 3/- lb.; Aquos, 1/1 lb.
*Tinct. Chlorof. c. Morph., P.B. 1885, 5 lbs. @ 2/6 lb.
*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/8 lb.; bond, 1/0½ lb.; Aquos, 1/3 lb.
*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/7 lb.; Aquos, 1/3 lb.
*Tinct. Digitalis, B.P., 5 lbs. @ 4/- lb.; Aquos, 1/3 lb.
*Tinct. Gelsem. P.B., 5 lbs. @ 3/5 lb.; Aquos, 1/4 lb.
*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 2/5½ lb.; Aquos, 1/1 lb.
*Tinct. Hyoscyam., B.P., 5 lbs. @ 4/5 lb.; Aquos, 1/10 lb.
*Tinct. Iodi., B.P., 5 lbs. @ 5/6 lb.; Fort. @ 7/- lb.; decolor., 5 lbs. @ 5/7 lb.
*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 4/9 lb.; Aquos, 1/1 lb.
*Tinct. Myrrhæ, B.P., 5 lbs. @ 4/7 lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 3/8 lb.; Aquos, 1/4 lb.
*Tinct. Opii, B.P., 5 lbs. @ 6/- lb.
*Tinct. Opii Aquos, 5 lbs. @ 4/2 lb.
*Tinct. Quininæ Amm., B.P., 5 lbs. @ 3/5 lb.
*Tinct. Rhei Co., B.P., 5 lbs. @ 2/5½ lb.; Aquos, 1/1 lb.
*Tinct. Scillæ, B.P., 5 lbs. @ 2/11 lb.; Aquos, 11d. lb.
*Tinct. Senegæ, P.B., 5 lbs. @ 3/8 lb.; Aquos, 1/6½ lb.
*Tinct. Strophanth., P.B., 5 lbs. @ 4/5 lb.
*Tinct. Valerianæ, 5 lbs. @ 3/5 lb.; Aquos, 1/2 lb.
*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/10 lb.; Aquos, 1/4 lb.
*Tinct. Zingib., P.B., 5 lbs. @ 4/10 lb.
*Tinct. Zingib. Fortior., 5 lbs. @ 5/2 lb.
Treacle (Black), 24 lbs. @ lb.
Turpentine (Best American), 1 gal. tins @ 5/9 each; Venice, Genuine, 9 lbs. @ 2/6 lb.

Ung. Acid. Boric, P.B., 28 lbs. @ 8½d. lb.; Flav., 28 lbs. @ 6½d. lb.
" Acid. Carbol., B.P., 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.; 1 lb. @ 1/6 lb.
" Gallæ, P.B., 7 lbs. @ 1/2 lb.; 1 lb. @ 1/4 lb.; c. Opio, 7 lbs. @ 3/10 lb.
" Hydrargyri, B.P., 28 lbs. @ 2/9 lb.; 7 lbs. @ 2/11 lb.
" Hydrarg. Ammon., B.P., 28 lbs. @ 1/7 lb.; 7 lbs. @ 1/9 lb.
" Hyd. Nit. Dil., 7 lbs. @ 1/6 lb.
" Paraff. Alb., P.B., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.; Flav. 28 lbs. @ 6½d. lb.; 7 lbs. @ 8d. lb.
" Resinæ, P.B., 28 lbs. @ 1/2 lb.; 7 lbs. @ 1/3 lb.
" Sulphuris, B.P., 28 lbs. @ 11½d. lb.; 7 lbs. @ 1/0½ lb.
" Zinci Oxid. Benz., B.P., 28 lbs. @ 1/0½d. lb.

Wax, Japan, 2 cwt. @ 82/6 cwt.; 7 lbs. @ 10d. lb.

Zinci Oleat. Powder, B.P.C., 7 lbs. @ lb.
Zinci Oxid., 1 cwt. @ 95/- cwt.; 28 lbs. @ 11d. lb.; 7 lbs. @ 1/- lb.
" Sulph., pure, 1 cwt. @ 50/- cwt.; 28 lbs. @ 6½d. lb.
" Sulphocarbolas, B.P., 7 lbs. @ 3/11 lb.; 1 lb. @ 4/2 lb.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorte

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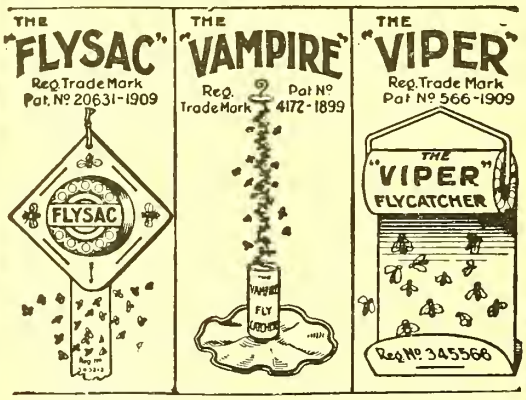

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FLY PAPERS

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Wholesale (per dozen)	11/8	29/6	48/-	117/6

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FINEST QUININE WINE
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Specially prepared for Home and Export.
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Profitable and Reliable India-Rubber Goods for Chemists.

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PATENT No 17617

Band Teat and Valve

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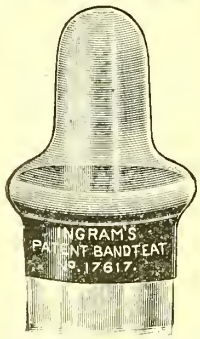
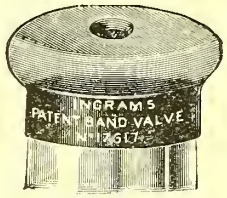
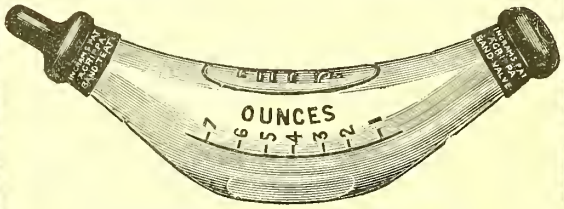


"AGRIPPA" BAND TEAT
(Black or Transparent Rubber)



"AGRIPPA" BAND VALVE
(Black or Transparent Rubber)



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The "AGRIPPA" Band Teat will fit any shape Feeding Bottle, and will not slip off.

Goods.	Minimum Wholesale Prices to Chemists.	Minimum Retail Prices.
"AGRIPPA" TEAT (Patent No. 17617). Black or Transparent.	2/6 Per Doz. net. 27/6 Per Gross net. (For orders of 3 Doz. and over).	3½d. each
"AGRIPPA" VALVE (Patent No. 17617), Black or Transparent.	2/- Per Doz. net. 22/- Per Gross net. (For orders of 3 Doz. and over).	3d. each

OBTAINABLE FROM ALL WHOLESALE HOUSES.

Patentees and Manufacturers:

J. G. INGRAM & SON

HACKNEY WICK, LONDON, N.E.

There is a RED CROSS or MILITARY HOSPITAL in your Town, and Doctors and Nurses are asking us where they can obtain Sphagnol Soaps & Ointments.

These inquiries are the result of our publicity scheme by which every Nurse and Doctor is receiving samples of Sphagnol Preparations. Some most remarkable testimonies and orders are reaching us. We do not mind receiving testimonies, but you must have the orders.

WILL you stock Sphagnol Soaps and Ointments and enable us to send you all local inquiries.

SPHAGNOL is a distillate of Peat, and is being professionally recommended as a First-Aid Dressing, as a cure for Skin Diseases, Insect Bites, etc., and has received the certificates of the Institute of Hygiene.

LIST OF PRICES & Discounts on request.

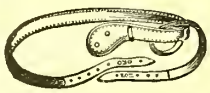
Peat Products (Sphagnol) Ltd.,
18/19 Queenhithe, LONDON.

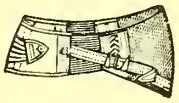
J. H. HAYWOOD, LTD.

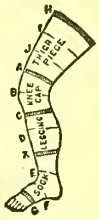
Castle Gate, NOTTINGHAM.

ESTABLISHED 1833.

Surgical Appliance Manufacturers.







Inventors of Seamless Elastic Hosiery

Specialities:

BELTS, TRUSSES, SUSPENDERS, BRACES, DRUGGISTS' SUNDRIES.

Write for Price List.

ROBT. BAILEY & SON,

Clegg Hall Mill,

Telephone: 114 LITTLEBOROUGH.
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SMITHY BRIDGE, LANCS — Eng.

MANUFACTURERS OF

SURGICAL DRESSINGS
ABSORBENT GAUZE TISSUE, COTTON WOOL, BANDAGES, LINT, TOW, &c.
PATENT FOUR-PLY GAUZE.
SANITARY TOWELS.

BRITISH MADE AND BRITISH OWNED.

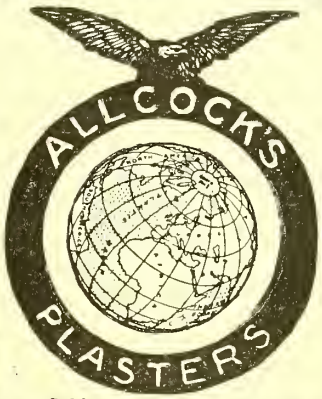
WHOLESALE ONLY. Write for Samples and Prices.

ESTABLISHED 1847.

Allcock's PLASTERS

REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
The Three Reliables.



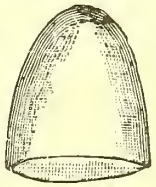
Prices and Terms on application to

ALLCOCK MANUFACTURING COMPANY
22 Hamilton Sq., Birkenhead.

"Sold all round the World."

RENDELL'S

SOLUBLE QUININE PESSARIES.



THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in ***RED INK,*** are upon each box thus:

Registered Trade Mark, ☛ without which none are genuine. No. 182,688.

W. J. Rendell
No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

☛ IMPORTANT NOTICE AND CAUTION. ☚

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,

INVENTOR AND SOLE MAKER,

15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

"PRANA" SPARKLETS

PRESENT PRICES TO THE PUBLIC:

"C" size Syphon - - 5/6. "B" size Syphon - 4/-
"D" Bulbs (per dozen) 2/6 "B" Bulbs (per dozen) 1/8

"D" BULBS REFILLED AT 1/9 PER DOZEN.

IMPORTANT NOTICE TO THE TRADE.

¶ Every empty "D" Bulb returned to be re-filled saves the making of a new Bulb at our Works, and consequently economises both time and material for the production of ammunition.

¶ THE TRADE IS URGENTLY REQUESTED TO ASSIST US IN SUPPLYING MILITARY REQUIREMENTS BY FORWARDING TO OUR WORKS AT ONCE ALL EMPTY "D" BULBS RETURNED BY USERS IN EXCHANGE FOR NEW ONES, & BY REMINDING CUSTOMERS THAT THESE EMPTY BULBS ARE WORTH 9d. DOZ.

¶ As the manufacture of "Prana" Sparklets is necessarily of secondary importance during the War —except for the needs of the British Expeditionary Forces and Red Cross Hospitals—the general requirements of the Trade this Summer can only be met by the co-operation of the Trade itself in returning as many empty "D" Bulbs as possible, without delay.

AERATORS LIMITED

"Prana" Sparklet Works, Upper Edmonton, N.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, JULY 8, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London."** (Three words counted as two.)

BEST RESULTS EVERY WEEK!

This is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—GREAT NORTHERN LINE.—Good-class Business; returns under management about £1,050 yearly; *net profit* £300; attractive, well-fitted shop; excellent residence; price £450.

2.—LONDON, N.—Ready-money Business; returning under manager £1,400 to £1,500, at good prices; about the value of stock and fixtures required; part payment considered; books kept by accountant.

3.—HERTS (Borders of).—Ready-money Business; held by vendor many years; returns £20 per week; rent £40; comfortable residence, with garden; offer wanted.

4.—LONDON, W. (Death Vacancy).—Good-class Business; no immediate opposition; returns £1,000 yearly; *net profit* £300; modern, well-fitted shop; price £750; full investigation invited.

5.—LONDON SUBURB.—Middle-class Retail, chiefly ready money; returns average between £1,050 and £1,100; *net profit* £450; price about £600; full inspection invited.

6.—LONDON, S.W. (Death Vacancy).—Retail and Dispensing Business; returns £1,000; *gross profit* £500, present rate less; well-appointed shop, with residence; widow will consider any reasonable offer.

7.—SOUTH KENSINGTON.—Retail and Dispensing Business; held by vendor upwards of 30 years; returns £2,000; *gross profit* 50 *per cent.* (proof given); terms, goodwill £250, stock and fixtures by valuation; good opening for two energetic men.

8.—HANTS.—Mixed Country Business; established about 100 years; returns £800; *net profit* £300; large double-fronted shop; comfortable residence; price £450.

9.—SOUTH COAST (High-class Watering-place; Death Vacancy). Dispensing and Retail Business, including Optical; returns between £1,400 and £1,500, present rate less; *profits above the average of Retail trade*; about £1,000 required.

10.—GLOUCESTERSHIRE.—A good General Retail and Dispensing Business for Disposal through ill-health; returns £1,350, at fair prices; good residence, with garden attached; vendor will accept any reasonable offer.

11.—SOUTH OF ENGLAND.—Very old-established Business, Retail and Dispensing; returns about £850; *net profit* over £250; exceptionally good residence, with garden and outbuilding; no opposition; price £400.

12.—SHROPSHIRE (Small Market Town).—Well-established Business, held by vendor upwards of 22 years, now retiring; returns £1,200; rent £35, which includes comfortable residence; terms, simply the value of stock and fixtures; part payment if desired.

13.—HUNTS.—Unopposed Business, Retail and Agricultural; returns £825; *net profit about* £230; comfortable residence, with bathroom and offices, flower and kitchen gardens; rent £25; price £400.

14.—INLAND HEALTH RESORT.—Dispensing and Retail; all good middle-class trading; returns upwards of £3,000 yearly; vendor would entertain a partnership with a view to the incomer taking up the whole within a given period.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£550 returns.—PLYMOUTH.—Owner, having to join the Army within a month, will sell for £150.

£1,400 returns.—SOUTH COAST (near).—Dispensing and Family Retail; no sidelines; net profit £375; price £850.

£1,200 returns.—YORKS.—Ready-money Light Retail, with large amount of own Preparations; easily worked; net profit £350; price £750, or valuation of stock and fixtures.

£1,000 returns.—WEST.—First-class Retail and Dispensing, capable of considerable increase with more personal attention, as vendor, other engagements, will sell for valuation of stock and fixtures, about £800; to a man accustomed to this class of trade this is an exceptional chance.

£2,600 returns.—MIDLANDS.—Good Country Retail, with some Agricultural, in desirable district; easily worked; good house and garden; net profit £375; valuation about £1,400.

Valuations conducted upon the shortest notice at moderate fees.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—SOUTH-WEST COAST.—Good-class Retail and Dispensing, increasing; returns £1,250; net profit over £300; good house and Pharmacy, in best position; stock and fixtures worth about £850; price £975; books properly kept.

2.—N. WALES (Death Vacancy).—Good Family Retail and Dispensing, in popular health resort; returns £500; no sidelines; plenty of scope; low rent; large shop; fine position; same hands 20 years; price £200, or valuation.

3.—EASTERN COUNTY.—Unopposed Country Retail and Agricultural; returns £830; net profit £200; nearest Chemist 7 miles; very good house, bathroom, etc., large garden; family reasons sole cause of sale; price £400.

4.—SUSSEX COAST (Rising Town).—Well-established Light Retail Business, in good unopposed position; returns about £650; scope for increase; net profit £180; splendid house, nice garden; price only £275.

5.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £300; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.

6.—LONDON (Near City).—Quick Cash Retail Business, in busy marketing centre; returns about £2,000; excellent profits; smart, up-to-date Pharmacy, fully stocked; price £950; part can remain.

7.—LONDON, W.—Old-established Light Family Retail, in prominent position; returning last year £1,400; net profit over £300; now under management; excellent premises, can easily let off half rent; price £400, bare valuation.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

PARSON C. BAKER

Pharmaceutical Chemist,

TRADE VALUER AND TRANSFER AGENT.

Recommended by British Drug Houses, Ltd.: Meggeson & Co.; Barclay & Son.

Tel. No.: FINCHLEY 812.

VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND FULL REPORTS, Town or Country, on moderate terms.

No charge whatever to vendors or purchasers except by agreement.

Personal Attention to every detail. | 40 years' Valuation experience.

CORRESPONDENCE INVITED.

1 MOUNTFIELD RD., CHURCH END, FINCHLEY, N.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ST. ALBANS.—For immediate disposal, owing to death of the proprietor, old-established Business (over fifty years), in centre of city. Apply, H. E. Allenby, Chemist, Ripley, Surrey.

SHEFFIELD.—Exceptional chance of acquiring sound Business on main road in densely populated neighbourhood; established 20 years; present ownership 15 years; one Chemist only in radius of about 2 miles; takings under female management, £6 to £8 weekly; low rent, £20; price for quick sale £70. Address, 108/2, Office of this Paper.

YORKSHIRE.—Splendid opportunity to acquire established Shop in new growing, high-class district of populous town; good reasons for disposal; growing returns—1915, £600; sell for valuation of stock and fixtures. Apply, Savage, 254 Manchester Road, Bradford.

CHEMIST, N.W. London; main tram and 'bus route; near station, garage, and barracks; long lease; rent £8 per annum; £1,250 all at; part can remain on mortgage. Apply, Lea & Lea, 13 Old Jewry Chambers, London, E.C.

CHEMIST'S Business in fine position at Hastings for Sale as a going concern; reasonable rent; takings average about £1,000 per annum. For further particulars apply to Parkin S. Booth, Accountant to the Association of Manufacturing Chemists, Ltd., 32 Kimberly House, Holborn Viaduct, London, E.C.

GENUINE, old-established, unopposed Village Retail; returns exceed £800; minimum net profit £200; nice shop, well fitted and stocked; exceptionally good house, warehouses, gardens, etc.; rent £25; price £400. "Eastmid" (8/62), Office of this Paper.

GENUINE Bargain.—Chemist's Business in prosperous colliery village, County Durham; population of district 12,000; no other Chemist; established last year; taking £11 to £12 weekly, increasing; good prices obtained; great scope for increase; imposing shop, nicely fitted, well stocked; excellent house attached; valuation £160; price £125; owner been granted two months' exemption. Apply, 109/5, Office of this Paper.

LIGHT Retail and Dispensing Business in popular Midland health resort; returns £460; net profit £156; excellent scope for increase, as vendor, owing to serious breakdown in health, unable to give proper attention; prospective purchaser prepared to come and view can secure real bargain. "B. H." (107/7), Office of this Paper.

OLD-ESTABLISHED Country Business, with Wine and Spirit license, for Sale, in a small, but growing town in Wilts; plenty of scope for increase in the hands of a qualified man; nice shop with good house and garden; will accept valuation (about £400) for immediate sale. "Velox," 77 Warminster Road, Westbury, Wilts.

UNPRECEDENTED Opportunity.—Old-established Country Retail, neglected, but capable of quick recovery and considerable extension; accept £120, bare value fixtures and fittings, for immediate disposal; premises (recently redecorated throughout) comprising handsome shop, good 6-roomed house, warehouses, and nice walled-in garden; rent £35; can be acquired by easy payment rather above rental. "Cambs." (8/620), Office of this Paper.

£3,000.—THROUGH family reasons, unique opportunity offers to secure good-class Country Business, within 70 miles of London, having large turnover and excellent profits; modern shop, splendid house, and fine garden; thorough introduction given; applicants must command £3,000; references required. Apply, "Excelsior" (109/10), Office of this Paper.

LEGAL.

GEORGE POWELL (Deceased).

CREDITORS of the above-named George Powell, of 56 Brownlow Road, Dalston, Chemist and Dentist, who died on the 24th day of May, 1916, and whose will was proved in the Principal Registry, on 24th June, 1916, by the executors, Albert Powell and Herbert Inglis Allen, are requested to forward their claims to me by 8th August, 1916.

Dated this 5th July, 1916.

JOHN MILLS,
106 Bishopsgate, E.C. Solicitor for the Executors.

FOR SALE.

6 DOZEN 3 lb. Fruit Bottles; 1 National Cash Register, £10; 14 lb. Potass. Permang., 8s. per lb. Sowerby, North Street, Middlesbrough.

BEST Offer, 1½ cwt. Plumbi Acetas; 1 lb. Hydrokinon.; 1 lb. Pyrogallic Acid; 1 lb. Methyl. Salicyl.; ½ cwt. Lump Borax; 5 lb. Pot. Oxalas Neutral; ½ lb. Calcii Lactas; 1 lb. Shering's Formaline Tabs.; 1 oz. Morph. Acetas; 1 oz. Morph. Hydroch.; 3 × 15 gr. tubes Pot. Chloroplatinate; 2,000 Libra Gaslight Postcards (in 100). 98/20, Office of this Paper.

BEST offers for 3 doz. 6*d*., 1 doz. 1*s*. Extermo for rats; 72 doz. 1*d*. Maypole Tints, Blue and Cream; 5 doz. 6*d*. Maypole Soaps, useful colours; 7 doz. 1*s*. boxes Gold Paint; 1 doz. 6*d*. boxes Gold Paint; 8 doz. 3*d*. Hat Dyes, useful shades; 18 doz. Hebden's 1*d*. Silver Gloss for Linen; 24 doz. Critchley's 1*d*. Starch Glaze; 48 doz. 1*d*. "Silk-all" Cement; 14 lb. Nips; 3 doz. each 6*d*. and 1*s*. "Liquid Glass" Furniture Polish Reviver. "Chemist," Market Square, Tunstall.

FOR Sale.—National Cash Register, Second-hand; original pattern; 25 keys, from ½*d*. to £1; perfect working order; recently overhauled; price £10 complete. C. Bayley, Uppingham.

SMALL National Cash Till for Sale. No. 338; only a few months old; good reason for selling; low price. Write, 149 Hill Street, Peckham.

SALES BY AUCTION.

TRADING WITH THE ENEMY AMENDMENT ACT, 1916.

Re H. NICKEL & CO., 101-105 GOSWELL ROAD, LONDON, E.C.

By order of the Controller, Hugh Wm. Dunn, Esq., Chartered Accountant.

The STOCK of a WHOLESALE MANUFACTURER of CHEMISTS' SUNDRIES, SURGICAL and TOILET GOODS, and the PLANT, FIXTURES, and FITTINGS, and OFFICE FURNITURE.

The STOCK comprises:

250 GROSS CUT and MOULDED PERFUME SPRAY BOTTLES, 1,200 yds. Fleecy Cloth for Hot-water Bottle Covers, 500 yds. Silk, 80 dozen Swansdown Skins, large QUANTITY PARTLY MANUFACTURED STOCK and DRUGGISTS' SUNDRIES, White Metal Ice-bag Tops, 20 Pieces of Waterproofed Cloth, quantity Satin Ribbons, 15,000 pieces Loofa Washing Gloves and Material, Tooth-brushes, 100 gross P.M. PUFF BOXES, 100 gross Tooth Picks, 2,000 HOUSEHOLD, BATH, and DAIRY THERMOMETERS, LARGE QUANTITY RUBBER GOODS of EVERY DESCRIPTION, Indiarubber Bellows, Pipette Bellows, etc., Toilet and Manicure Sets and Requisites, expensive Surgical Instruments, large stock of Bone Soother Mounts, 200 gross Corn Solvent Bottles and Corks, Nasal Inhalers, Glass and other Syringes, Showcards, Cardboard Boxes, Wrapping Papers, Gilt Tops for Perfume Sprays, all kinds of Douche Cans, 100 dozen Tooth Creams and Paste, large quantity of Glass Chemists' Sundries, 200 pairs American Split Wood Crutches, China Spitting and Shaving Mugs and Feeding Cups, 7 dozen large Glass Puff Bowls, 200 dozen Menthols, Glass Perfume and Smelling Bottle, 250 dozen Nurses' Nail Scissors and Clippers, Stock of unfinished Sponge Bags, Bathing Caps, Washing Gloves, Finger Stalls, etc., also the well-made

FIXTURES, FITTINGS, and OFFICE FURNITURE,

Oak Roll-top Desk, Clerks' Desks, Writing Tables, Chairs and Stools, two Oak Quadruplex Letter Files and Card-index Files, Yost Typewriter, Shannon Rapid Roller Copier, three Omega Gas Stoves,

A 48-in. 12 CORNER BENT STEEL SAFE by J. TANN, 1,500 small Packing Cases, Trolley, Ranges of Shelves, two large size "Oresse" Anthracite Stoves,

PLATE-GLASS COUNTER, WALL, and CENTRE SHOWCASES, Instrument Showcases, Dials, Nests of Drawers, Partitioning, Benches, etc., Power Bench, and 12 Singer's Sewing Machines, three ditto on Treadle Stands, powerful Label-punching Machine, 2-h.p. Electric Motor, Heavy Screw Press, Pinking, Eyeletting, and other Machines.

MR. FRANK G. BOWEN

will SELL by AUCTION, on the PREMISES, as above, on WEDNESDAY and THURSDAY, 12th, 13th July, at 1 each day.

On view day prior. Catalogues of Hugh William Dunn, Esq., Messrs. Davies, Dunn & Co., Chartered Accountants, 46 Queen Victoria Street, E.C., and of the Auctioneer 62a Aldersgate Street, E.C.

BUSINESSES WANTED.

ADVERTISER will give a liberal price for a small genuine Business to any Chemist wishing to dispose of same; South S.E. preferred, but not essential; no agents. Fullest particulars, in confidence, to 107/10, Office of this Paper.

GENTLEMAN, University education, desires high-class business or Partnership where at least £500 is being cleared and scope for further increase; London preferred. Essentials: large healthy modern well-fitted shop, electrically lighted, or good well-established Wholesale would be carefully considered. Kindly send price and terms, "Cantab," 3 Freshford House, Gloucester Street, W.C.

WANTED to purchase a good-class Cash Business with moderate rent, and turnover about £25 weekly or slightly less if situated in rising district with good scope; Bank references given. Replies in confidence to "Genuine," 13 Ashville Terrace, Headingley, Leeds.

TO LET.

CHEMISTS.—To be Let, Shop and house, very old-established business now vacant through death; Chemist much wanted; shop fittings remain; situate 146 Southampton Street, Camberwell (opposite Wells Street); lease if desired, or freehold would be sold. Owner, E. J. Barrett, 70 Southwark Bridge Road, S.E.

SALES BY TENDER.

TRADING WITH THE ENEMY AMENDMENT ACT, 1916.
Re A. WULFING & CO. (SANATOGEN CO.).
By Order of the Controller appointed by the Board of Trade.

FOR SALE by TENDER, as a going concern, the BENEFICIAL INTEREST in the LEASES of the MANUFACTURING PREMISES situate at Stable Hobba, Penzance, and the London BRANCH PACKING and DISTRIBUTING PREMISES, No. 12 Chenies Street, Oxford Street, W.C., and 17 Alfred Place, adjoining. Together with the whole of the Plant, Machinery, Appliances, and Rolling Stock in those premises respectively, and existing Milk Contracts in connection with the manufacture of Sanatogen in this country. The Sale will include the whole of the stocks of SANATOGEN, FORMAMINT, ALBULACTIN, and CYSTOPURIN.

Forms of Tender and further information may be obtained of E. Layton Bennett, Esq. (the Controller), 31 and 32 Broad Street Avenue, Blomfield Street, E.C.; Messrs. Kekewich, Smith & Kaye, Solicitors, 2 Suffolk Lane, Cannon Street, E.C.; and Messrs. Humbert & Flint, Surveyors, 11 Serle Street, Lincoln's Inn, W.C.

SALES BY TREATY.

IN BANKRUPTCY. *Re* CULLWICK.

TO be Sold by private treaty, well-fitted CHEMIST'S SHOP, good private and Health Insurance prescription connection, 80 CARLTON HILL; also old-established Chemist's Shop, 574 MAIN STREET, Carlton, near Nottingham.

For particulars apply Official Receiver, Castle Place, or Terrey Pyatt, Auctioneer, 26 Lister Gate, Nottingham.

PARTNERSHIPS.

ADVERTISER desires to meet with a firm in the Chemical or Proprietary Medicine trade who are open to add a very profitable department, or with a capitalist desirous of starting a business in Proprietary Preparations, particularly suitable for Export to all countries; every investigation courted. Address, 106/40, Office of this Paper.

WANTED by Chemist with good business, a gentleman with capital to invest in pushing one or two good Specialities. Reply, "Capital" (102/20), Office of this Paper.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

AGENCIES wanted by leading Dublin Retail Pharmacist doing some Wholesale business also, and employing own traveller; English or foreign Proprietary, Patent Article, or other line saleable by Chemists; must be high class and exclusive; advertiser is in London at present, and will call if full particulars given when replying. 107/28, Office of this Paper.

TO Manufacturers, etc.—Young man with sound practical business training and connection in Dublin and throughout Ireland, is open to Represent first-class firm on a commission basis. 105/21, Office of this Paper.

TRAVELLER with 20 years' good connection among Chemists and Hairdressers, covering all the principal towns in Scotland three times a year, desires to Represent another firm in conjunction with present (who are non-competitive), Toilet Preparations, etc. Reply, 105/23, Office of this Paper.

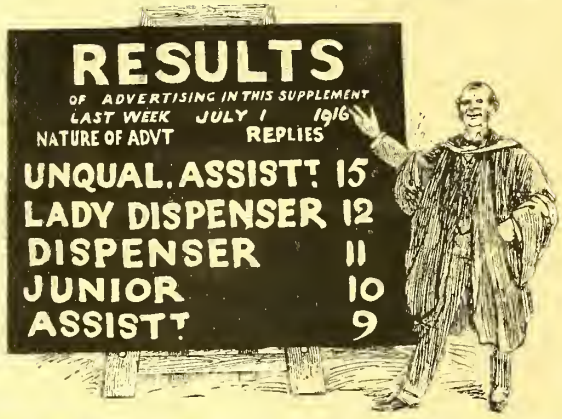
TRAVELLER, working whole of Ireland last nine years for present firm, calling on Chemists and Druggists, and residing in Dublin, desires good Agency to work in conjunction with present firm; terms optional. 108/21, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BLACKPOOL.—Assistant wanted for season. Please send full particulars and salary required, outdoors, and when at liberty, to Greenwood, Chemist, Central Drive.

CAMBERLEY.—Wanted early in September, outdoor Assistant with good Dispensing experience. Full particulars to F. A. Cairns, Pharmaceutical Chemist, Camberley.

CARDIFF.—Assistant wanted (outdoors), with good Counter experience. Apply, stating age, height, experience, references, and salary required, Duck & Son, Chemists, Cardiff.

CATERHAM, Surrey.—Wanted, an Assistant, ineligible or over war age, for a small light business; no Sunday work. State lowest salary, to live in. Davies, Chemist, Caterham, Surrey.

CLIFTON, Bristol.—Capable Assistant for Retail Dispensing. Apply, stating experience and salary required, to Giles Schacht & Co.

COVENTRY.—Assistant required for Light Retail and Dispensing. Full particulars to Bales, Chemist, Albany Road, Coventry.

EXETER.—Lady Dispenser wanted. State experience, references, salary required, outdoors, Milton & Son, Pharmaceutical Chemists, 265 High Street, Exeter.

GRIMSBY.—Lady Assistant wanted immediately, indoors, for Counter work and putting up stock; one with 18 months' or two years' experience will suffice. State all particulars, salary and references, to "Pharmacist," 170 Hainton Avenue, Grimsby.

GRIMSBY.—Qualified Branch Manager required, ineligible; good salary and short hours; no Sunday duty. Apply, giving age, experience, references, and salary required (outdoors), with photo (returned), to the Exors. W. Barker, Chemists, Grimsby.

HEREFORD.—Dispenser wanted, male or female; must be quick, accurate, and a good writer. Applicants please state age, height, references, salary required, and enclose photo, to Chave & Jackson, Ltd., Chemists, Hereford.

KENSINGTON.—Wanted July 16, unqualified Assistant for good-class Dispensing business; outdoors. Apply, P. Barrs, 106 Church Street, Kensington, W.

LONDON, E.—Lady Assistant required; must be a capable Dispenser, and have had some experience at the Counter; permanent and progressive berth. "East" (106/262), Office of this Paper.

LONDON, N.—Evening Assistance wanted, mainly for N.H.I. Dispensing, also help for half-day Saturdays. Apply, Frost, Pharmacist, 9 High Street, Hornsey, N.

LONDON, N.E.—Outdoor Assistant, Counter, Dispensing, etc., unqualified or qualified. Write, stating salary expected and usual particulars, Tabor & Cresswell, 138 High Street, Kingsland, N.

LONDON, N.W.—Wanted at once, unqualified Assistant (outdoors), good Dispenser; ineligible. Apply, with full particulars and salary required, to "Statim" (107/9), Office of this Paper.

LONDON, S.W.—Assistant wanted; ineligible; in or outdoors; whole or part-time. Apply, with full particulars, to 106/38, Office of this Paper.

LONDON, S.W.—Wanted, a qualified Assistant. Apply, with full particulars, to Amoore & Co., 173 Sloane Street, S.W.

LONDON, W.—Required, temporarily (for about 6 or 8 weeks), an Assistant accustomed to good Dispensing business. Apply, giving full particulars, mention salary required (outdoors), to W. A. Weston, 8 Sandringham Parade, Ealing.

MANCHESTER.—Wanted for small Branch, elderly qualified; moderate hours; light duties; pleasant district; also unqualified wanted at once as Locum. Give full particulars in first letter, "Chemists," c/o E. Harrison & Sons, 26 Chapel Street, Salford, Manchester.

MARGATE.—Assistant, outdoors (lady or gentleman), with good references, ineligible for military service, for Dispensing and Retail business; season or permanency. State particulars of experience and salary required in first application, W. M. Rosser, J. Baily & Co., 2 Ethelbert Terrace, Margate.

N.E. LONDON.—Unqualified, mainly for N.H.I. Dispensing; not eligible for military service; hours 9.30 to 9.30, alternate Sunday evenings, 7 to 9, with Wednesdays off from 1 p.m. State age, experience, salary (outdoors), etc., "G. S. P." (107/20), Office of this Paper.

NEWINGTON BUTTS, London.—Well-known firm have an opening for capable unqualified Assistant above military age, or who has been rejected; application from a smart young lady who has had experience in Chemist's shop, particularly Dispensing, would be entertained. 106/26, Office of this Paper.

NORWICH.—Outdoor Assistant required, partly for Counter and partly for Preparation of Toilet and B.P. Preparations; hours easy; duties light. Apply, giving experience and terms required, to Nuthall & Mason, Bank Plain, Norwich.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

OXFORD.—Locum wanted, lady Dispenser (Hall certificate), for 3 or 4 weeks, from the middle of July or beginning of August. Apply, giving age, terms (outdoors), experience, and references, to Drs. Wylie & Seal, 217 Iffley Road, Oxford.

ROYAL LONDON OPHTHALMIC HOSPITAL, City Road, E.C. —Lady or gentleman required as Assistant Pharmacist, possibly during duration of war; Minor qualification essential; hours 8.30 to 3.30 (approximately); lunch provided. State age, experience, and salary required, to the Dispenser.

SALISBURY.—Unqualified Junior Assistant, outdoors, permanency, either sex, required immediately; also qualified Locum. Full particulars to Atkins & Son, Pharmacists, Salisbury.

SHEFFIELD.—Lady Assistant; must be a careful Dispenser and have had experience in a Chemist's establishment; capable of Serving at the Counter occasionally. State age, height, experience, salary required, and when at liberty, enclose photo if possible, G. T. W. Newsholme, Ltd., 27 High Street, Sheffield.

SHEFFIELD Retail and Wholesale Chemist and Druggist's Business, old established; finest position in centre of city; for Sale at stock price plus small amount for goodwill. Apply, Naylor & Brady, 17 Bank Street, Sheffield.

SOUTH COAST.—Capable, unqualified Assistant for Front Counter, high-class Store business. Reply, with full particulars, experience, etc., The Secretary, Palmeira House, Hove.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SWANSEA.—Wanted immediately, competent Assistant, good-class Retail and Dispensing. Please state age, salary, outdoors, photo if possible, Wright & Son, Chemists, Swansea.

WEST HAM AND EASTERN GENERAL HOSPITAL, Stratford, E.—Wanted, a qualified Assistant Dispenser (male); salary 35s. per week, with lunch and tea; applicants must be ineligible for military service. Apply, with copies of three recent testimonials, to A. W. Scrivener, Secretary.

WOLVERHAMPTON.—Temporary Assistant wanted for the month of August; applicant need not be qualified. Please apply, S. Phillips, Pharmaceutical Chemist, Wolverhampton.

ASSISTANT wanted with Dispensing experience for Store trade, London, S.W.; permanency; no Sunday duties. Apply or write, giving full particulars and when at liberty, Coppen Bros., Ltd., 12½ Carey Street, Vincent Square, Westminster.

ASSISTANT required; experienced; ineligible. Full particulars, outdoors, Thomas, 119 Connaught Road, Cardiff.

ASSISTANT wanted (male or female); ineligible for Army; hours 8.30 to 7.15 p.m. State salary required, age, qualified or unqualified. Apply, 109/13, Office of this Paper.

AT once, thoroughly competent Assistant for modern Light Store business, without N.H.I.; knowledge of Photography an advantage. State salary required and send photo if possible, with full particulars, Stead, Duke Street, Brighton.

CHARLES MIDGLEY Ltd., of Manchester, require a first-rate man as responsible Manager for their Liverpool House (John McGuffie & Co.); liberal commencing salary; city hours and conditions; the position carries excellent prospects to keen energetic Pharmacist.

COUNTRY.—Manager; Light Retail, Mixed; duration of war. Vaughan, Studley.

DISPENSER required, full-time employment, private Practice; light Sunday duty; previous experience necessary. Dr Thornton, 573 Romford Road, Forest Gate.

E. C. PERKS & CO. require an experienced Assistant; indoors. Reply by letter, giving all particulars of experience, salary required, etc., to 1 Sloane Square, S.W.

EXPERIENCED Dispenser, qualified preferred, wanted immediately; exempt or above military age. Apply, Manager, Heppell & Co., Hotel Cecil Buildings, Strand, W.C.

IMMEDIATELY, a steady, reliable Assistant; outdoors; must have good references; good wages and comfortable berth. Apply, with usual particulars, to Benjamin, Chemist, Ross-on-Wye.

JUNIOR wanted; easy hours; whole or part-time. State particulars, and salary required, "Hampshire" (7/2), Office of this Paper.

LADY Assistant; **must be a good Dispenser, and have had** experience in a Chemist's establishment; vacancy **not in** London; comfortable permanency for suitable applicant. **State** age, salary required, and when at liberty, "L. A." (106/260), Office of this Paper.

LOCUM.—Assistant wanted for about six weeks; unqualified will do, but must be good Dispenser; very easy work and very easy hours; outdoors. Jeffries, Chemist, Guildford.

LOCUM, 4 weeks August, September; London, N. 108/27, Office of this Paper.

LOCUM, qualified, for week or fortnight early in August; reliable, trustworthy; good reference; also unqualified for week. State full particulars and salary required, Goodall, 66 Lower Richmond Road, Putney.

LOCUM wanted 3 weeks from August 7, for Poor-Law Infirmary; hours 9 to 5, Saturday 9 to 1; no Sunday; £3 3s. weekly and dinner daily. Apply, 23 Bath Road, Bedford Park, W.

LOCUM, first two weeks August; reliable; good class; no N.H.I.; outdoors. Dodd's Pharmacy, Dunsmure Road, Stamford Hill, N.

MANAGER; Branch; qualified; ineligible; comfortable berth; easy hours; salary good; permanency. Apply to Bewells, Cash Chemists, 93 Walworth Road, S.E. (near Elephant).

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); **easy hours; good and progressive salary, with excellent prospects.**

QUALIFIED Manager required for modern Cash business; permanency, with plenty of scope; liberal interest in the profits offered to a first-class man; state whether married. "Manager" (106/261), Office of this Paper.

UNQUALIFIED Assistant for Drug Department; short hours; no Sunday duty; high-class Dispensing and Counter work; comfortable berth. State salary, etc., to Cater, Stoffell & Fortt, Ltd., Bath.

WANTED, by July 25, Assistant (lady or gentleman), well up in Dispensing and General Retail. Fullest particulars and references, to Pelham Young, Pharmacist, Hounslow, W. 'Phone 153 Hounslow.

WANTED, a qualified Assistant; over military age; outdoors; short hours. State salary and when disengaged to Messrs. Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, S.E.

WANTED, Dispenser-Chauffeur, ineligible; colliery district, South Wales; salary £2 per week, free house and light. Apply, Dr. Burke, Abertridwr, Cardiff.

WANTED July 16 for London, S.W., Manager for small Branch; good references required; salary £3 3s.; outdoors. Apply, "Columba" (107/31), Office of this Paper.

YOUNG lady wanted for Drugs and Perfumery Department experienced. Apply, Mr. Dunn, A. W. Gamage, Ltd., Holborn, E.C.

WHOLESALE.

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ADVERTISING Manager required by Italian Manufacturer of Chemicals and Perfumery Products; slight knowledge of Italian necessary; salary £200 a year (and provision). Apply, 5/24, Office of this Paper.

A VACANCY occurs in the Office of a London Wholesale House for a capable Clerk; must be a good Shorthand-Typist, have a knowledge of the Drug trade, and ineligible for the Army. Write, "C." (7/48), Office of this Paper.

COUNTER Assistants, Wets and Drics, also Checkers for Home and Export despatch; ineligible for military service. Apply to Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close.

DRY and Wet Countermen required at once. Apply "W. M. C.," c/o Burgoyne Burbidges & Co., East Ham, E.

DERBY.—Wanted immediately, Assistant for Laboratory; ineligible for Army; good all-round experience. Apply, Davies, Sons & Co., Bridge Street Laboratories, Derby.

EDINBURGH.—Drug Traveller wanted. Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

EXPERIENCED Pill-maker, able take charge; good salary. Full particulars, 107/1, Office of this Paper.

FOREWOMAN wanted for Toilet Articles, Perfumery, etc.; must be practical, experienced, and capable of controlling girls. State salary and particulars of previous employment, "M. O." (7/12), Office of this Paper.

LABORATORY man wanted, experienced in making Emulsions, B.P., Ointments, etc. Full particulars to Primo Drug Co., 5 Bury New Road, Manchester.

LABORATORY Manager required by Wholesale Druggists, London. Apply, with full particulars, salary required, etc., to 8/37, Office of this Paper.

MANUFACTURING Chemists.—Wanted for Pharmacy Laboratory of provincial Wholesale House, capable, energetic, qualified man, experienced in Manufacture of Galenicals, etc., on large scale; exempt from military service. State qualifications, references, and salary required, 7/41, Office of this Paper.

QUALIFIED Chemist, experienced in Tablet-making, required by well-known Proprietary House. Write, full particulars, to 6/630, Office of this Paper.

REPRESENTATIVE (whole time) wanted by well-known Proprietary House to call upon Chemists, Doctors, and Hospitals in London district; must have sound connection, and be able to prove capability. Write, full particulars, to 6/63, Office of this Paper.

REPRESENTATIVE required by firm for one of the quickest selling lines on the market, to carry their goods as a side-line; must have good connection amongst Chemists; liberal commission to right man. Apply, 8/30, Office of this Paper.

TRAVELLERS wanted for London, Kent, Surrey, and Sussex, who have good connection amongst Stores and Chemists, to Sell as Side Line, advertised Article; good commission. Apply, 105/33, Office of this Paper.

TYPEWRITING and Shorthand Clerk required at once; must have a knowledge of the Drug and Patent Medicine trade; neat and accurate in his work; permanent situation for a good man. Apply, stating age, salary required, etc., to Goodall, Backhouse & Co., Leeds.

WANTED, youth with some Chemical training for Laboratory of a Manufacturing Chemist; good opportunity for suitable Junior. Apply, with full particulars, to "C.," Messrs. E. T. Pearson & Co., Ltd., London Road, Mitcham.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

CHINA.—An Assistant, accustomed to first-class Retail and Dispensing business; qualified preferred, but not essential; age 21-30; four years' agreement; good salary; passage paid out and home; must be ineligible for military service. Address, "X." (106/17), Office of this Paper.

CHINA and the Far East.—Representative of important firm of Wholesale and Export Druggists knowing the above markets thoroughly, and now preparing for further trip in the autumn, would be glad to hear from other good-class firms with a view to Representation. "Enterprise" (8/36), Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]
RETAIL.

A LOCUM or permanency entertained; reasonable terms; excellent experience and credentials. "Chemist," 40 Boat House, Exmouth, Devon.

A TRAINED Nurse wishes post as Dispenser to a Doctor. 107/6, Office of this Paper.

AS Manager or Assistant; Locum, permanency; qualified; London and provincial experience. 108/23, Office of this Paper.

AS Manager of Branch; qualified; elderly, reliable, active; first-class reference. Full particulars and terms to "Thermos," 129 East Dulwich Grove, London, S.E.

AS temporary Assistant; aged 19; disengaged; undeniable references. Matthews, c/o Cullen, Chemist, Norwich.

ASSISTANT or Locum, disengaged, desires post immediately. Iris, 43 High Street, Southampton.

ASSISTANT, lady (Hall), desires post with South Coast Chemist; Locum or permanent; thoroughly experienced, Dispensing, Counter, Photography; good testimonials. "Assistant," 3 Broadway, Worthing.

ASSISTANT; qualified; 39; married; disengaged; ineligible. Stewart, 3 Elborough Street, Southfields, S.W.

ASSISTANT; 28; disengaged until August 1; reliable; Dispensing, Photography. "S. O. S.," 66 Kempe Road, Kensal Rise.

ASSISTANT; 21; Dispensing Counter, Photography; disengaged. 109/11, Office of this Paper.

BRANCH, small; registered; over military age; Prescriber. "B.," Pharmacy, Luddendenfoot.

CHEMISTS who want their Clerking done neatly, quickly, and accurately, should write to Scott, The Chemist, South Gosforth-on-Tyne.

DENTAL Mechanic (Vulcanite) and Chemist Assistant; abstainer; age 30; 11 years' experience at present place; ineligible; N.H.I. Dispensing. Hamilton, 31 Buckstone Road, Edmonton.

DISPENSER or Traveller; over 20 years' experience in Medicines; good Prescriber and Extractor; invalided last appointment, specially enlisted Dispenser Royal Army Medical Corps; highest testimonials. Henderson, Mariville, Ruswarp, Whitby.

ELDERLY retired Pharmacist, M.P.S., requires light duties; permanency. Apply, 106/32, Office of this Paper.

EVENINGS and Sundays free; qualified; ineligible. "Chemist," 49 Limerston Street, Chelsea.

EXPERIENCED Locum; 32; qualified; disengaged after July 31; best of references. 106/37, Office of this Paper.

JUNIOR Assistant; ineligible; 22; Photography; disengaged. Paul, 15 Monk's Road, Exeter.

LADY Dispenser, qualified, desires post with Doctor; town or country; would do Locum; experienced. 106/14, Office of this Paper.

LADY Dispenser (Hall); experienced; London preferred. 106/35, Office of this Paper.

LADY Dispenser seeks re-engagement with Doctor; permanency or holiday duty; good experience and reference; disengaged. 107/34, Office of this Paper.

LOCUM; N.H.I. and Counter experience; disengaged July 17. Edwards, Central Dispensary, Ebbw Vale, S. Wales.

LOCUM or otherwise; disengaged July 19. "Drug," 37 Upper Kennington Lane, S.E.

LOCUM (lady); experienced; reliable; disengaged July 17 for four weeks. 108/17, Office of this Paper.

LONDON Only.—Branch Manager; Assistant; over military age; unqualified; abstainer; Front Counter; Dispensing; disengaged. State salary (outdoors), "Rodie," 10 Alfearn Road, Clapton, N.E.

MANAGER, qualified, ineligible, wanted at once for about nine months, to take entire charge of a small business; apprentice kept. 107/32, Office of this Paper.

MANAGER; 48; married; experienced; energetic, reliable; work up branch or entertain succession on easy terms; desiring change, preferably where no N.H.I.; unregistered. Address, "Energy" (108/22), Office of this Paper.

MINOR; elderly; abstainer; references, photo; part-time Locum or Manage a Branch during absence in war; easy berth, easy terms. "M.P.S." (106/30), Office of this Paper.

N.E. COAST.—Small Branch or Dispensership; 30; experienced; unqualified. 2 Leadyard, Darlington.

PART-TIME, mornings; qualified; experienced; W. preferred. "Somerset," 10 Castle Bar Road, Ealing, W.

PHARMACIST; qualified; over military age; first-class experience; salary wanted, £4 weekly or equivalent. 106/34, Office of this Paper.

PHOTOGRAPHIC Assistant to Chemist; experienced trade man, or would Develop, Print, Enlarge, etc., at home by contract; prompt and cheap. Appleton, Sawbridgeworth.

QUALIFIED Dispenser desires change; 30; ineligible; 11 years' experience with Doctors; 6 years last situation; highest references; London or suburbs preferred. 107/2, Office of this Paper.

QUALIFIED; elderly; exceptional experience; reasonable hours; permanency; terms moderate; London. 108/15, Office of this Paper.

QUALIFIED; 36; good Dispensing experience. "Tenax" (108/24), Office of this Paper.

QUALIFIED Manager by energetic, elderly man; temporary or permanency; good references. Address 109/8, Office of this Paper.

QUALIFIED Chemist wants permanency; ineligible; good reference from present employer; well experienced. 109/18, Office of this Paper.

QUALIFIED, ineligible (24), requires situation London (Central); Chemist-Optician preferred. References, "Statim," 27 Atherfold Road, Stockwell, S.W.

TEMPORARY, permanency; 41; disengaged; varied Manager's experience; unregistered. "Chemicus," 89 Denmark Road, Manchester.

THOROUGHLY competent Assistant; over military age; best West-End Dispensing experience; London or suburbs; outdoors; tall; disengaged; good references. "B.," 4 The Parade, Sudbury, Harrow, Middlesex.

UNQUALIFIED Assistant, 22, rejected, desires change; Lancashire preferred; high-class Dispensing and Counter; slight Photography. Apply, stating salary, hours, etc., 106/12, Office of this Paper.

UNQUALIFIED Assistant requires part-time situation in London (West End preferred). 108/7, Office of this Paper.

WHOLESALE.

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PHARMACEUTICAL, Toilet, Perfumery, and Chemicals, etc.—Practical man (27), ineligible, 11 years' experience, capable supervisor, desires permanency. 108/5, Office of this Paper.

TRAVELLER; disengaged; Retail and Travelling experience; Scotland or Midlands preferred. 108/33, Office of this Paper.

TRAVELLER, ineligible, qualified Chemist, connection Chemists, Stores, Institutions, etc., West of England, wishes Represent good House, that or other ground, or would Represent two or three Houses on commission, part salary, and expenses. 108/1, Office of this Paper.

MISCELLANEOUS.

SHOP FITTINGS.—War Bargains; Mahogany and Plate Glass Sponge Case with bent top, 75*s.*; 10 ft. Mahogany and Plate Glass Serving Counter, £8; Perfumery Case and Desk, 52*s.* 6*d.*; 4 ft. Bent Counter Case, 45*s.* Write enquiries, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

PILL Machinery.—Pill-piping Machine, with perforated plates, for 1, 3, and 5 grain; one Cutting Machine with three pairs of brass cutters, for 1, 3, and 5 grain; also several hand counter Pill Machines; low prices to clear. Apply, 5/57, Office of this Paper.

CHEMIST'S good second-hand 12-ft. Mahogany Drug Fitting, 6-ft. Mahogany Dispensing Screen and Counter, 4-ft. Mahogany Wall-case, 10-ft. Glass-fronted Counter; Nest of Counter Drawers; Perfumery Case and Desk; 4-ft. Bent Glass Counter Case; the lot £45; bargain; cheapest house for Window Enclosures, Mirrors, Glass Shelves, modern Shop Fronts, Improvements, etc.; plans prepared; estimates free. Mills, Shopfront, Shopfitting, and Glass Facia Works, 163-165 Old Street, London, E.C. 'Phone London Wall 550.

TO WHOLESALE CHEMISTS, SHIPPERS, etc.

We compress tablets from your own ingredients or otherwise, plain or coated. Large quantities dealt with quickly. Superior Machinery and Scientific Control.

Lowest quotations for Cascara tablets in bulk.

R. GIBBINS & CO., 1 Birkbeck Road, Kingsland, LONDON, N.E.

DOUBLE THE RETURNS

of your **DEVELOPING** and **PRINTING** department by having the work done in the very best style at lowest prices, and returned to you 9 hours after we receive it. We are expert specialists. Send for our list and specimen of our work, and then give us a trial—we pay return carriage.

STEAD & CO., Photographic Experts, Duke St., BRIGHTON.

METOL SUBSTITUTE

(100 per cent. guaranteed.)

1-lb. tins **48/6**; ½-lb. pkts. **24/10**; ¼-lb. pkts. **13/-**; 1-oz. pkts. **3/10**. Postage 1½*d.* charged on 1 oz. pkts.

Carriage paid on all orders above 1 oz.

ELDON & CO., 430 MILE END ROAD, LONDON, E.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of **1/-** for six words or less; **2d.** per word beyond, prepaid Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise **stating quantity and price** to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Bayer's theocinoids, sod. acet. gr. iv, (108/14)
Dialon dusting-powder (108/29)
Diuretin (108/29)
Guaiacol carb. (108/29)
Phenacetin (108/29)
Resorcin (108/29)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acid. acetyl salicyl., 1 lb. (107/39)
Antipyrin, 4 oz. (107/39)
Atropine sulph., 1 dr. (107/39)
Hydroquinone, 4 oz. (107/39)
Guaiacol carb. (107/27) and 4 oz. (107/39)
Muse Baur (107/27)
Phenacetin, 4 oz. (107/39), and 6 oz. (104/24), and 3 lb. (106/31)
Pot. iodid., 2 lb. (107/39)
Resorcin, 4 oz. (107/39)
Salicin (107/27)
Sulphonal, 6 oz. (104/24)
Tartaric acid cryst., 83 lb. (107/27)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6*d.*

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FOR DISPOSAL.

BOOKS AND PERIODICALS.

COOLEY'S Cyclopædia of Practical Receipts, subscription edition, 8 vols.; £1, carriage paid. Craven, 953 Leeds Road, Bradford.

DRUGS AND CHEMICALS.

WHAT offers? 2 lb. phenacetin, bought from Allenbury's. Strick, New Brighton, Cheshire.

CARMINE.—4 1-lb. tins, super quality; what offers? Boutalls, Ltd., 150 Southampton Row, W.C.

DRUGS and chemicals.—4 lb. pot. permang., 7*s.* lb.; 25 oz. tin. quin. sulph., 2*s.* 6*d.* oz.; 1 oz. morph. tart., 15*s.* 6*d.* Head, Chemist, Deal.

NAPHTHALINE disinfecting shells, 25 gross, 6*s.* per gross, whole or part, carriage paid; also original tube salvarsan; what offers? Waterhouse, Weston Street, Sheffield.

45 dozen (about) "Curit" corn-cure for sale, with showcards complete; excellent condition; splendid selling line; 7½*d.* and 1*s.* 1½*d.* requires extra 1½*d.* stamp; will accept 3*s.* dozen. Lewis, 175 Brownhill Road, Catford, London.

WHAT offers, whole or part? ac. acetylsal., 8 oz.; phenazone, 6 oz.; thymol, 6 oz.; saccharin, 1 oz.; pot. permang., 12 lb.; sod. benz., 6 oz.; ac. benzoic., 4 oz.; bismuth oxid., 10 oz.; cocain. hydr., 4 oz. Denton, Chemists, Hartlepool.

MISCELLANEOUS.

PRINTING Press, metal type accessories, 10*s.* 6*d.*; bargain. Particulars, W. Webster, 291 Normanton Road, Derby.

COD-LIVER oil, good sample, 10 galls. 6*s.* 9*d.*, casks 6*s.*; 1,000 Plate-sunk mounts, 10 × 8, 35*s.* Morrey, Chemist, Market Drayton.

WANTED.

"B." bulb sparklets, any quantity up to £5. E. M. Costello, 49 Kensington Palace Mansions, London, W.

WANTED, B.P., 1914; Squire, 1916; Martindale, latest; good condition. Widdess, 45 North Street, Belfast.

PERSONAL weighing machine required, accurate and good condition. Scott, Chemist, Seabank Road, New Brighton.

REQUIRED, about 50 gross each 30 and 45 gramme round-shouldered Limes. Offers to "Bottles" (4/42), Office of this Paper.

WANTED, Ozonia bath salt, any quantity, cheap; job lots hair brushes, perfumes, etc. State price, 98/11, Office of this Paper.

WANTED, several nests of small drawers, in good condition. Particulars and lowest price to Kelway & Son, Seed Merchants, Langport.

SOAP-MILLING plant, small, wanted, with plodder; condition immaterial if cheap. Particulars, price, etc., Fram Co., Ltd., Ellis Street, Birmingham.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*July* 8, 1916. [64]

BRUNNER, MOND & CO.'S

Alkali Products.

BM&Co. TRADE MARK.

Crescent Brand.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

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This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

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